Vertex Standard

VHF FM Transceiver

VX-4200 Series
VX-4100 Series

Service Manual

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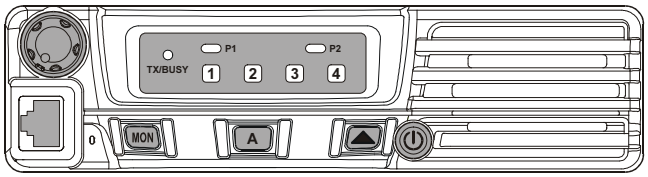
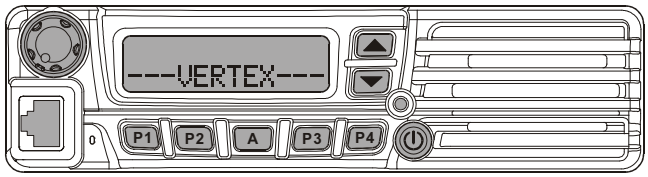


VX-4100 Series



VX-4200 Series

Introduction

This manual provides the technical information necessary for servicing the **VX-4200/-4100** Series Mobile Transceiver.

Servicing this equipment requires expertise in handing surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams are provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components (surface-mount devices), and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or leaded components only.

As described in the pages to follow, the advanced microprocessor design of the **VX-4200/-4100** allows a complete alignment of this transceiver to be performed without opening the case of the radio; all adjustments can be performed from the personal computer, using with the Vertex Standard VPL-1 Programming Cable and CE59 Software.

While we believe the information in this manual to be correct, Vertex Standard assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

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Board Units (Schematics, Layouts & Parts)
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FRONT-D Unit (VX-4200) J-1
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DVS-5 Voice Storage Unit L-1
VTP-50 VX-Trunk Unit M-1

Specifications

General

Frequency Ranges:	134 -174 MHz
Emission Type:	F3E
Channel Spacing:	12.5/20/25 kHz
Number of Channels:	8 channels (VX-4100 Series)
	501 channels (VX-4200 Series)
Power Supply Voltage:	13.6 V ± 10% (50 W version)
	13.8 V ± 10% (25 W version)
Current Consumption (@13.6 V):	11 A (TX: 50 W)
	300 mA (RX: SQL Closed)
	2.5A (RX: 2 W AF Out)
Operating Temperature Range:	–22 °F to +140 °F (–30 °C to +60 °C)
Frequency Stability:	±2.5 ppm (–22 °F to +140 °C [–30 °C to +60 °C])
Antenna Impedance:	50 Ω
Case Size (W x H x D):	6.5" x 1.7" x 6.1" inch (165 x 43 x 155 mm) (W/O knob)
Weight (Approx.):	3.1 lbs (1.4 kg)

Receiver

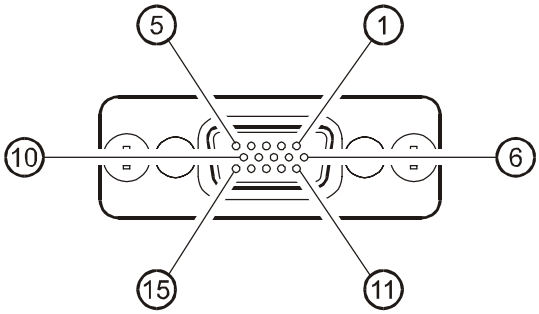
Circuit Type:	Double-conversion Superheterodyne
Intermediate Frequency:	1st: 50.85 MHz, 2nd: 450 kHz
Sensitivity (EIA 12 dB SINAD):	0.25 µV
Sensitivity (20 dB Quieting):	0.4 µV
Adjacent Channel Selectivity:	75 dB (12.5 kHz)
	85 dB (25 kHz)
Spurious & Image Rejection:	90 dB
Intermodulation:	75 dB (12.5 kHz)
	80 dB (25 kHz)
Hum & Noise:	44 dB (12.5 kHz)
	50 dB (25 kHz)
Audio Output:	12 W @4 Ohms, 5% THD (External)
	2 W @32 Ohms, 5% THD (Internal)

Transmitter

Modulation Type:	Variable Reactance
Power Output:	50/25/10 W (50 W version)
	25/12.5/5 W (25 W version)
Conducted Spurious Emission:	75 dB below Carrier
Maximum Deviation:	±2.5 kHz (12.5 kHz)
	±5 kHz (25 kHz)
FM Hum & Noise:	44 dB (12.5 kHz)
	50 dB (25 kHz)
Audio Distortion:	3 % (@1 kHz)

Specifications subject to change without notice or obligation.

DSUB 15-pin Accessory Connector



Pin 1: AF IN (Analog Input)

External Microphone Input. Nominal input level is 6 mV at 600-ohm.

Pin 2: AF OUT (Analog Output)

Low-level receiver output. Peak signal level is 150 mV at 600-ohm.

Pin 3: AF GND

Ground for all logic levels and power supply return.

Pin 4: DC OUT (13.6 V DC Output)

Switched 13.6V output for supplying power to an accessory.

Pin 5: RSSI (Analog Output)

A DC voltage proportional to the strength of the signal currently being received (Receiver Signal Strength Indicator) is provided on this pin. This low impedance output is gererated by the receiver IF sub-system and bufferd by an internal op-amp. Typical output voltages are 1 V (@No Signal Input) through 2.0 V (@50 dB Signal Input).

Pin 6: EXT PTT

Shorting this port to ground causes the transceiver to be placed in the Transmit mode, while opening the connection to this port returns the transceiver to the Receive mode. Opening voltage is 5 V, closed current approx. 5 mA.

Pin 7: TRX

This port is intended for controlling an external TX/RX switching circuit. When the transceiver is placed in the the Receiver mode, this port is 5 V. When the transceiver is placed in the the Transmit mode, this port reduse to 0 V.

Pin 8: ING (Ignition Sense feature)

The VX-4100/-4200 may be automatically be switched to the STND-BY mode when the vehicle's ignition key is turned on. Maximum current is 20 mA.

Pin 9 - 12: ACC1 - ACC4 (Accessory Port)

These output port features can be programmed via the CE59 programmer. Each port is open collector output which can sink approx. 30 mA when active.

Pin 13: Not Used

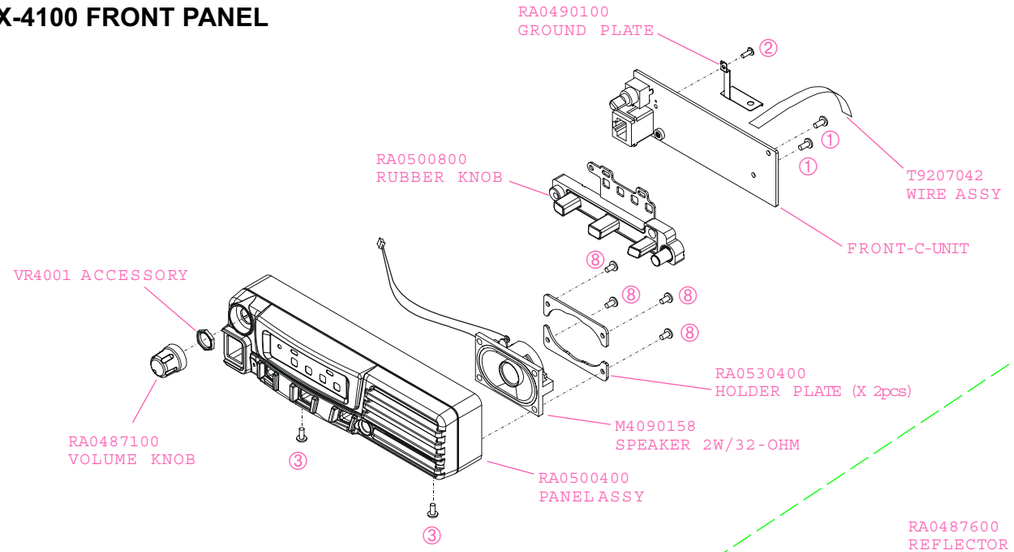
Pin 14: Not Used

Pin 15: GND

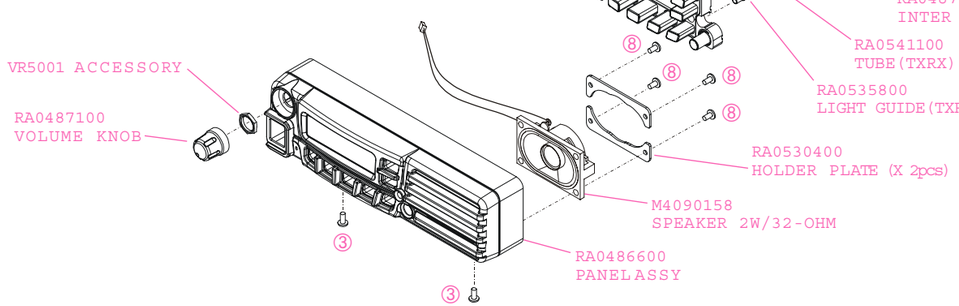
Chassis ground

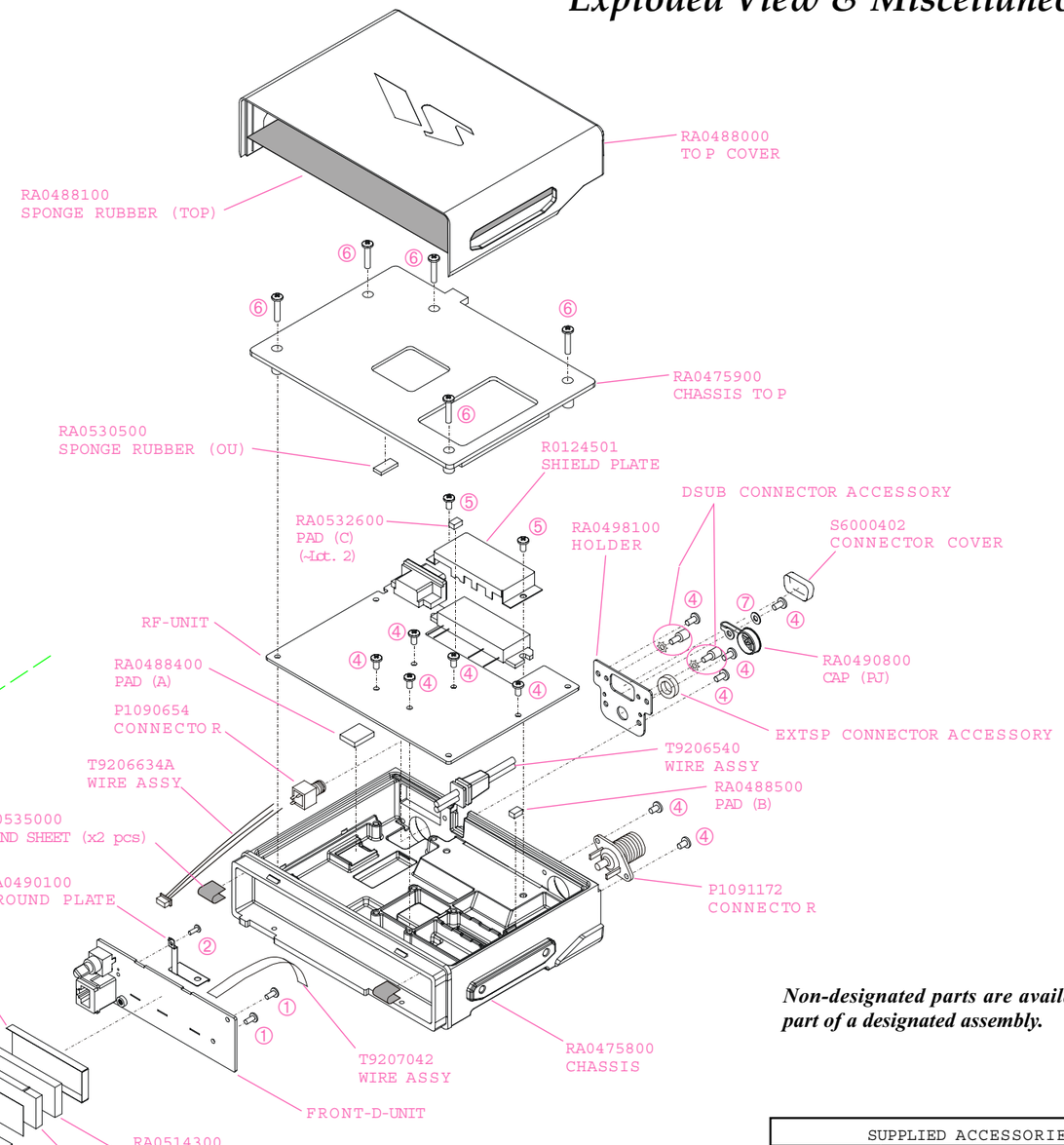
Note

VX-4100 FRONT PANEL



VX-4200 FRONT PANEL





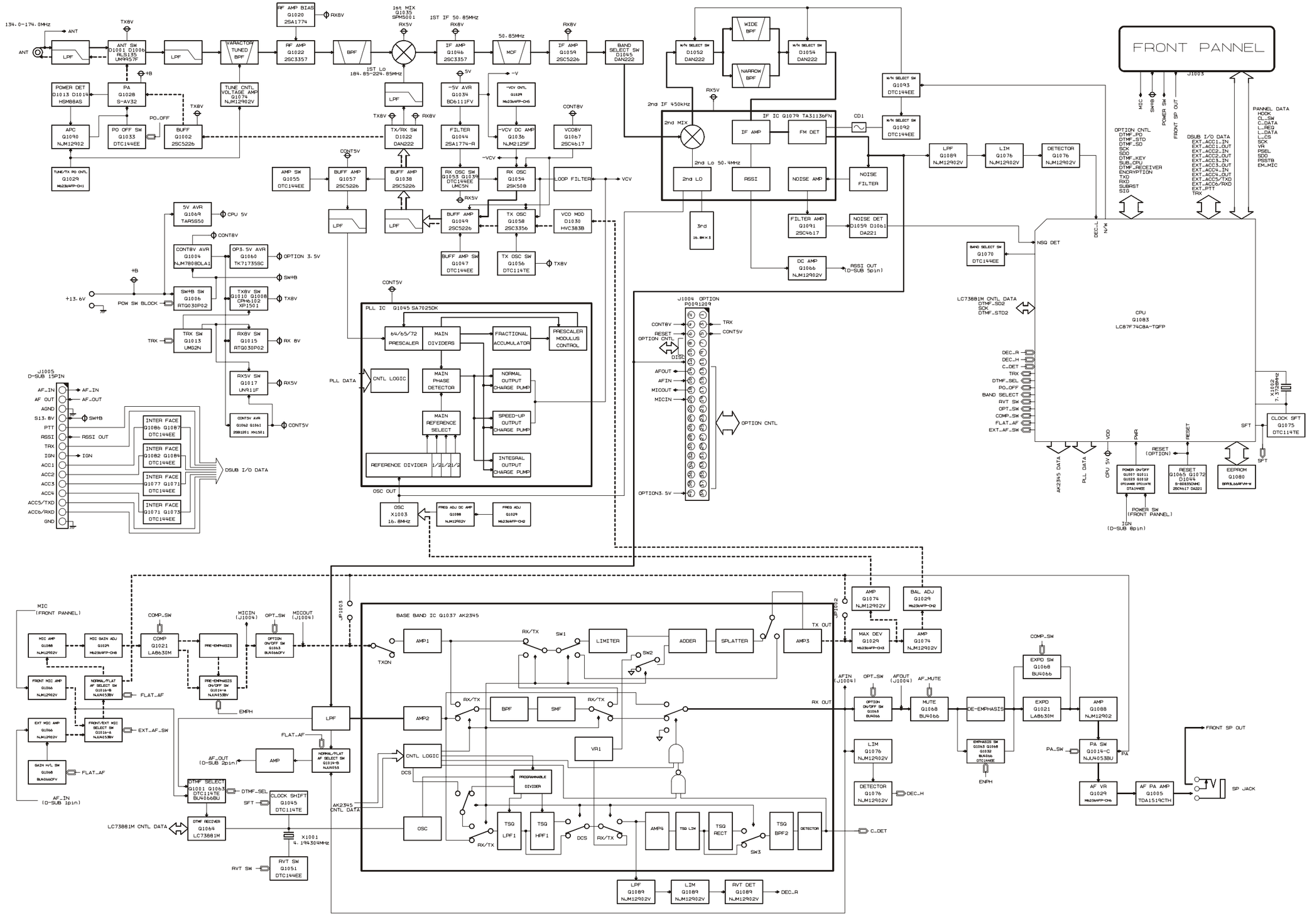
Non-designated parts are available only as part of a designated assembly.

SUPPLIED ACCESSORIES		
VXSTD P/N	DESCRIPTION	QTY.
Q0000075	BLADE FUSE ATC 15A	2
A06260004	MICROPHONE MH-25A8J (VTX) W/ NEW CLIP	1
T9021015	DC CABLE	1

No.	VXSTD P/N	DESCRIPTION	QTY.
①	U23206001	TAPTITE SCREW M2.6X6	2
②	U23106001	TAPTITE SCREW M2X6	1
③	U20205007	BINDING HEAD SCREW M2.6X5B	2
④	U24306002	TAPTITE SCREW M3X6NI	11
⑤	U02308002	SEMS SCREW SM3X8NI	2
⑥	U24316001	TAPTITE SCREW M3X16	5
⑦	U70003020	PLAIN WASHER FW3SUS	1
⑧	U24208001	TAPTITE SCREW M2.6X8	4

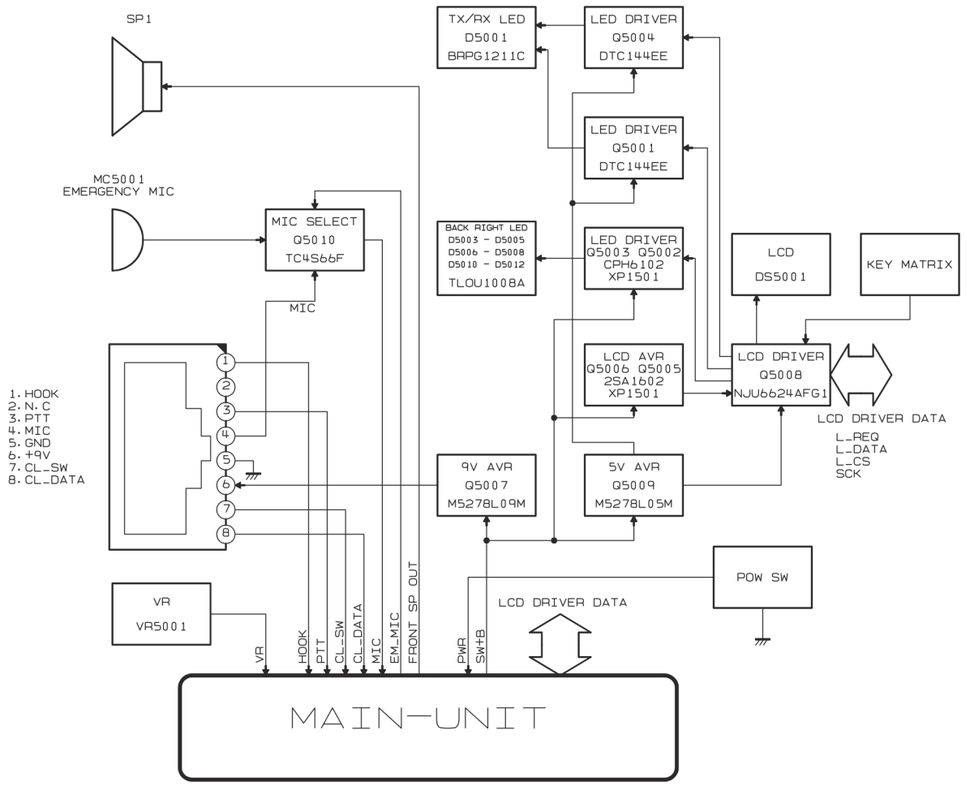
Block Diagram

RF Unit

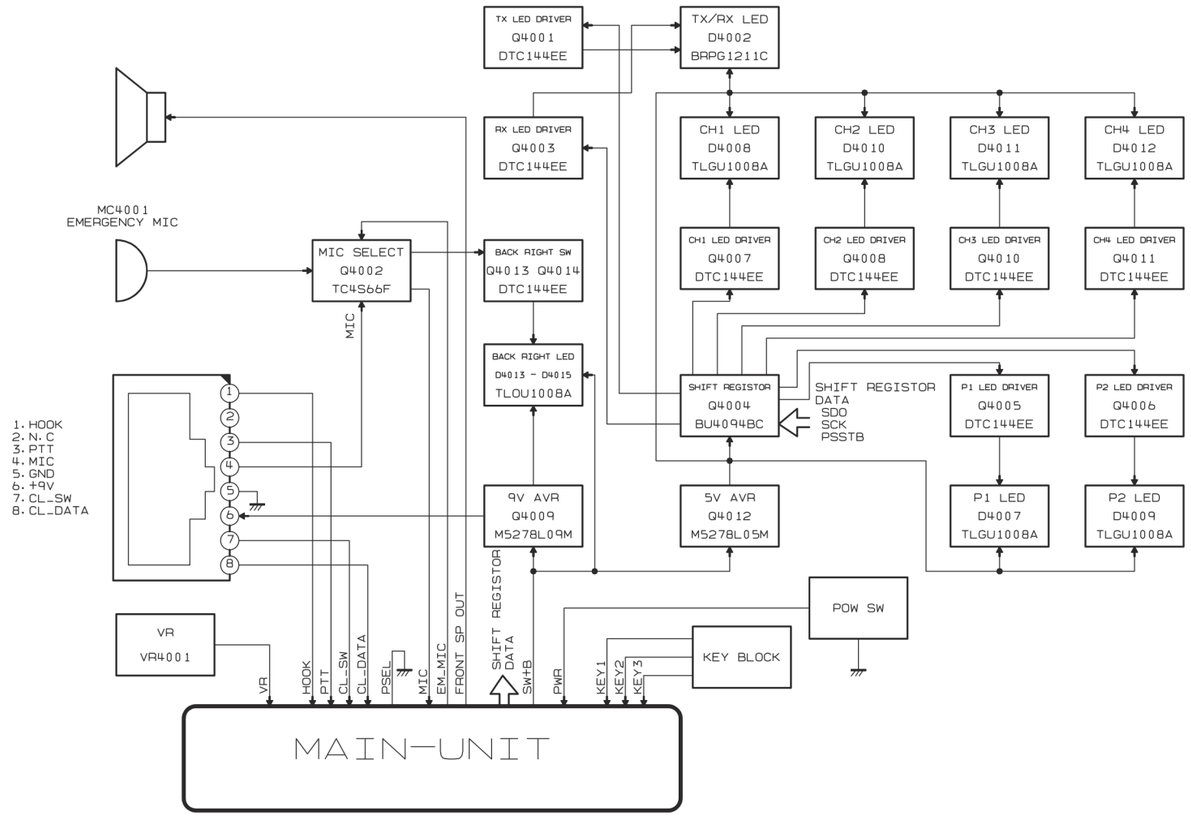


Block Diagram

FRONT-C Unit (VX-4100)



FRONT-D Unit (VX-4200)



1. Circuit Configuration by Frequency

The receiver is a double-conversion superheterodyne with a first intermediate frequency (IF) of 50.85 MHz and a second IF of 450kHz. Incoming signal from the antenna is mixed with the local signal from the VCO/PLL to produce the first IF of 50.85 MHz. This is then mixed with the 50.4 MHz second local oscillator output to produce the 450 kHz second IF. This is detected to give the demodulated signal. The transmit signal frequency is generated by the PLL VCO, and modulated by the signal from the microphone. It is then amplified and sent to the antenna.

2. Receiver System

2-1. Front-end RF amplifier

Incoming FR signal from the antenna is delivered to the RF Unit and passes through Low-pass filer, antenna switching diode, and removed undesired frequencies by varactor diode (tuned band-pass filer: T1001, T1002 and T1003). The passed signal is amplified in **Q1022** (**2SC3357**) and moreover cuts an image frequency with the band path filter and comes into the 1st mixer. The **Q1020** (**2SA1774**) controls bias of **Q1022** (**2SC3357**).

2-2. First Mixer

The 1st mixer consists of the **Q1035** (**SPM5001**), T1004, T1005 and T1006. Buffered output from the VCO is amplified by **Q1038** (**2SC5226**) to provide a pure first local signal between 184.85 and 224.85 MHz for injection to the first mixer. The output IF signal is amplified by **Q1046** (**2SC3357**) and enters from the mixer to the crystal filter. The IF signal then passes through monolithic crystal filters **XF1001** (±5.5 kHz BW) to strip away all but the desired signal.

2-3. IF Amplifier

The first IF signal is amplified by **Q1059** (**2SC5226**). The amplified first IF signal is applied to FM IF subsystem IC **Q1079** (**TA31136FN**) which contains the second mixer, second local oscillator, limiter amplifier, noise amplifier, and S-meter amplifier. The signal from reference oscillator **X1003** becomes 3 times of frequencies in **Q1079** (**TA31136FN**), it is mixed with the IF signal and becomes 450 kHz. The second IF then passes through the ceramic filter **CF1001** (for wide channels), **CF1002** (for narrow channels) to strip away unwanted mixer products, and is applied to the limiter amplifier in **Q1038** (**2SC5226**), which removes amplitude variations in the 450 kHz IF, before detection of the speech by the ceramic discriminator **CD1001**.

2-4. Audio amplifier

Detected signal from **Q1079** (**TA31136FN**) is inputted to **Q1037** (**AK2345**) and is output through the band path filter inside **Q1037** (**AK2345**). When the optional unit is installed, the **Q1063** (**BU4066BCFV**) is made "OFF" and the AF signal from **Q1037** (**AK2345**) goes the optional unit. When the optional unit is not installed, **Q1037** (**AK2345**) is made "ON" and the signal goes through **Q1063** (**BU4066BCFV**). The signal then goes through AF mute switch **Q1068** (**BU4066BCFV**), de-emphasis part and expander **Q1021** (**LA8630M**). When the function of expander is off, the 1021 will be bypassed by **Q1069** (**TAR5S50**). The output signal of expander (or a signal from de-emphasis) is amplified by **Q1088** (**NJM12902V**) and it is amplified with AF power amplifier **Q1005** (**TDA1519CTH**) after passing AF volume **Q1029** (**M62364FP**). The output of **Q1005** (**TDA1519CTH**) drives a speaker (it chooses the external SP or internal SP in J6001).

2-5. Squelch Circuit

There are 13 levels of squelch setting from 0 to 12. The level 0 means open the squelch. The level 1 means the threshold setting level and level 11 means tight squelch. From 2 to 10 is established in the middle of threshold and tight. The bigger figure is nearer the tight setting. The level 12 becomes setting of carrier squelch.

2-5-1. Noise Squelch

Noise squelch circuit is composed of the band path filter of **Q1079** (**TA31136FN**), noise amplifier **Q1091** (**2SC4617**), and noise detector **D1059**, **D1061** (both **DA221**). When a carrier isn't received, the noise ingredient which goes out of the demodulator **Q1079** (**TA31136FN**) is amplified in **Q1091** (**2SC4617**) through the band path filter **Q1079** (**TA31136FN**), is detected to DC voltage with **D1059**, **D1061** (both **DA221**) and is inputted to 19 pin (the A/D port) of the **Q1083** (CPU: **LC87F74C8A**). When a carrier is received, the DC voltage becomes "LOW" because the noise is compressed. When the detected voltage to CPU is "HIGH," the CPU stops AF output with **Q1068** (**BU4066BCFV**) "OFF" by making the 40pin "L" level. When the detection voltage is low, the CPU makes **Q1068** "ON" with making 40pin "H" and the AF signal is output.

2-5-2. Carrier Squelch

The pin 18 (A/D port) of **Q1083** (CPU: **LC87F74C8A**) detect RSSI voltage output from pin 12 of **Q1079** (**TA31136FN**), and controls AF output. The RSSI output voltage changes according to the signal strength of carrier. The stronger signal makes the RSSI voltage to be higher voltage. The process of the AF signal control is same as Noise Squelch. The shipping data is adjusted 3dB higher than squelch tight sensitivity.

3. Transmitter System

3-1. Mic Amplifier

The AF signal from microphone jack J4001 (4ch) or J5001 (501ch) is amplified with microphone amplifier **Q1066**, is amplified with 2nd microphone amplifier **Q1088** after microphone selection switch **Q1016**, and passes microphone gain volume **Q1029**. The AF signal which was controlled in the correct gain passes compandor **Q1021**. When not using a compandor, with the control from the CPU, it passes in the compandor circuit inside of **Q1021** (**LA8630M**) and it is output and it passes a

pre-emphasis circuit. **Q1063** (**BU4066BCFV**) becomes "OFF" when an option unit is attached and the AF signal from **Q1037** (**AK2345**) goes via the option unit. When an option unit isn't attached, **Q1063** (**BU4066BCFV**) becomes "ON," the signal passes **Q1063** (**BU4066BCFV**) and is input to **Q1037** (**AK2345**). The signal passed limiter and splatter filer of **Q1037** (**AK2345**) is adjusted by maximum deviation adjustment volume **Q1029** (**M62364FP**). The adjusted low frequency signal ingredient is amplified by **Q1074** (**NJM12902V**), added modulation terminal of TCXO (**X1003**), the FM modulation is made by reference oscillator. The high frequency signal ingredient is amplified **Q1074** (**NJM12902V**), and adjusted the level by volume **Q1029** (**M62364FP**) to make frequency balance between low frequency. After that, it is made FM modulation to transmit carrier by the modulator **D1030** (**HVC383B**) of VCO.

3-2. Drive and Final amplifier

The modulated signal from the VCO **Q1054** (**2SK508**) is buffered by **Q1049** (**2SC5226**) and amplified by **Q1038** and **Q1002** (both **2SC5226**). The low-level transmit signal is then applied to the Power Module **Q1028** (**S-AV32**) for final amplification up to 50 watts output power. The transmit signal then passes through the antenna switch **D1006** (**UM9957F**) and is low-pass filtered to suppress away harmonic spurious radiation before delivery to the antenna.

3-3. Automatic Transmit Power Control

The output power of Power Module is detected by CM coupler, it is detected by **D1013** and **D1014** (both **HSM88AS**) and is input to comparator **Q1090** (**NJM12902V**). The comparetor compares two different voltages and makes output power stable by controlling the bias voltage of Power Module. There are 3 levels of output power (Hi, Mid and Lo), it is switched by the voltage of **Q1029-1** (**M62364FP**).

3-4. PLL Frequency Synthesizer

The frequency synthesizer consists of PLL IC **Q1085** (**SK7025DK**), **Q1045** (**DTC114TE**), VCO, TCXO (**X1003**) and buffer amplifier. The output frequency from TCXO is 16.8 MHz and the tolerance is ±2.5 ppm (in the temperature range -30 to +60 degrees).

3-4-1. VCO

While the radio is receiving, the RX oscillator **Q1054** (**2SK508**) in VCO generates a programmed frequency between 184.85 and 224.85 MHz as 1st local signal. While the radio is transmitting, the TX oscillator **Q1058** (**2SC3356**) in VCO generates a frequency between 134 and 174 MHz. The output from oscillator is amplified by buffer amplifier **Q1049** (**2SC5226**) and becomes output of VCO. The output from VCO is divided, one is amplified by **Q1057** (**2SC5226**) and feed back to pin 5 of the PLL IC **Q1085** (**SK7025DK**). The other is amplified in **Q1038** (**2SC5226**) and in case of the reception, it is put into the mixer as the 1st local signal through **D1022** (**DA221**), in transmission, it is amplified in **Q1038** (**2SC5226**), and more amplified in **Q1002** (**2SC5226**) through **D1022** (**DA221**) and it is put the input terminal of the Power Module **Q1028** (**S-AV32**).

3-4-2. VCV CNTL

Tuning voltage (VCV) of VCO is expanding the lock range of VCO by controlling the anode of varactor diode at the negative voltage and the control voltage from PLL IC **Q1085** (**SK7025DK**). The negative voltage is added to the varactor diode after converted to negative by **Q1035** (**SPM5001**), which is output voltage of D/A converter **Q1029** (**M62364FP**).

3-4-3. PLL

The PLL IC **Q1085** (**SK7025DK**) consists of reference divider, main divider, phase detector, charge pumps and fractional accumulator. The reference frequency from TCXO is inputted to pin 8 of PLL IC **Q1085** (**SK7025DK**) and is divided by reference divider. This IC is decimal point dividing PLL IC **Q1085** (**SK7025DK**) and the dividing ratio becomes 1/8 of usual PLL frequency step. Therefore, the output of reference divider is 8 times of frequencies of the channel step. For example, when the channel stepping is 5 kHz, the output of reference divider becomes 40 kHz. The other hand, inputted feed back signal to pin 5 of PLL IC **Q1085** (**SK7025DK**) from VCO is divided with the dividing ratio which becomes same frequency as the output of reference divider. These two signals are compared by phase detector, the phase difference pulse is generated. The phase difference pulse and the pulse from fractional accumulator pass through the charge pumps and LPF. It becomes the DC voltage (VCV) to control the VCO. The oscillation frequency of VCO is locked by the control of this DC voltage. The PLL serial data from CPU **Q1083** (**LC87F74C8A**) is sent with three lines of SDO (pin 2), SCK (pin 1) and PSTB (pin 3). The lock condition of PLL is output from the UL (pin 18) terminal and UL becomes "H" at the time of the lock condition and becomes "L" at the time of the unlocked condition. The CPU **Q1083** (**LC87F74C8A**) always watches over the UL condition, and when it becomes "L" unlocked condition, the CPU **Q1083** (**LC87F74C8A**) prohibits transmitting and receiving.

Introduction

The **VX-4100/-4200** series has been aligned at the factory for the specified performance across the entire frequency range specified. Realignment should therefore not be necessary except in the event of a component failure. All component replacement and service should be performed only by an authorized Vertex Standard representative, or the warranty policy may be voided.

The following procedures cover the sometimes critical and tedious adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts are replaced, realignment may be required. If a sudden problem occurs during normal operation, it is likely due to component failure; realignment should not be done until after the faulty component has been replaced.

We recommend that servicing be performed only by authorized Vertex Standard service technicians who are experienced with the circuitry and fully equipped for repair and alignment. Therefore, if a fault is suspected, contact the dealer from whom the transceiver was purchased for instructions regarding repair. Authorized Vertex Standard service technicians realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing any faulty components. Those who do undertake any of the following alignments are cautioned to proceed at their own risk. Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, Vertex Standard must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners. Under no circumstances should any alignment be attempted unless the normal function and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary. The following test equipment (and thorough familiarity with its correct use) is necessary for complete realignment. Correction of problems caused by misalignment resulting from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards. Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Have all test equipment ready before beginning, and follow all of the steps in a section in the order presented.

Required Test Equipment

- ❒ Radio Tester with calibrated output level at 200 MHz
- ❒ In-line Wattmeter with 5% accuracy at 200 MHz
- ❒ 50-ohm, 50-W RF Dummy Load
- ❒ Regulated DC Power Supply (standard 13.6V DC, 15A)
- ❒ Frequency Counter: ±0.2 ppm accuracy at 200 MHz
- ❒ AF Signal Generator
- ❒ AC Voltmeter
- ❒ DC Voltmeter
- ❒ VHF Sampling Coupler
- ❒ Microsoft® Windows® 95 or later operating system
- ❒ Vertex Standard VPL-1 Connection Cable and CE59 Alignment program

Alignment Preparation & Precautions

A 50-ohm RF Dummy load and in-line wattmeter must be connected to the main antenna jack in all procedures that call for transmission, except where specified otherwise. Correct alignment is not possible with an antenna.

Beacuse of the BTL (**B**ridged **T**rans**L**ess) Amplifier circuit used in the VX-4200/-4100, do not connect eather side of the speaker leads to chassis "ground."

After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding.

Correct alignment requires that the ambient temperature be the same as that of the transceiver and test equipment, and that this temperature be held constant between 20 °C and 30 °C (68 °F ~ 86 °F). When the transceiver is brought into the shop from hot or cold air, it should be allowed time to come to room temperature before alignment.

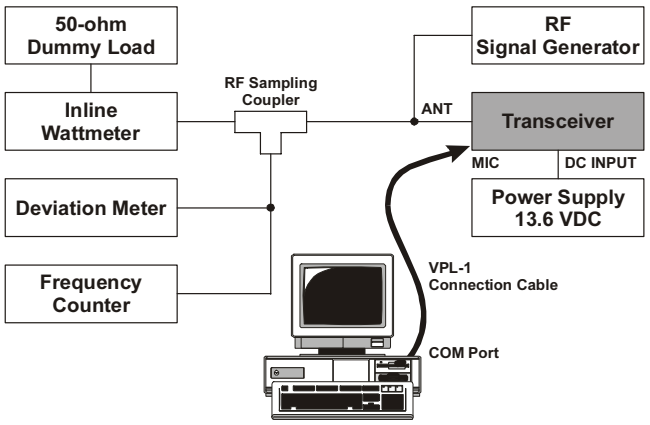
Whenever possible, alignments should be made with oscillator shields and circuit boards firmly affixed in place. Also, the test equipment must be thoroughly warmed up before beginning.

Note: Signal levels in dB referred to in this procedure are based on 0 dBμ EMF = 1.0 μV.

Alignment

Test Setup

Setup the test equipment as shown for transceiver alignment, apply 13.6V DC power to the transceiver. Refer to the drawings above for Alignment Points.



The transceiver must be programmed for use in the intended system before alignment is attempted. The RF parameters are loaded from the file during the alignment process.

In order to facilitate alignment over the complete switching range of the equipment it is recommended that the channel data in the transceiver is preset as the chart below.

CHANNELS	FREQUENCY (SIMPLEX)
Band-LOW	134.100MHz
Band-MID	154.100MHz
Band-HIGH	173.900MHz

The alignment mode is accessed by "Alignment mode" command from the computer whilst switching on. And the alignment tool operates it automatically.

During the alignment mode, normal operation is suspended. Use the alignment tool program running on PC.

The Alignment Tool Outline

Installation the tool

Install the CE59 (Clone Editor) to your PC.
The re-alignment for VX-4200/-4100 series may use the "Alignment" menu of CE59.

Action of the switches

When the transceiver is in alignment mode, the action of PTT and KEY is ignored. All of the action is remote controlled by PC.

Basic sequence

The data displayed in screen of this tool is temporary data, and there is fear that the consistence of the displayed data and the data in the transceiver is failure when you do not keep the sequence which is specified below.

1. Enter the alignment mode
2. Data upload
3. Align data
4. Data download

When finish the alignment one parameter, the tool ask you "Update this data?" If you select "Yes," the temporary data is updated. If you select "Yes," the tool downloaded data to the transceiver.

Menu of the Tool (BASIC ALIGNMENT)

In the Basic Alignment mode, the aligned data written in the radio will be able to re-align its alignment data. In this mode, there are many items to align with three point (low edge, center and high edge) except "VCO," "RX Tune" and "Mod Balance." The value of each parameter can be changed to desired position by "←" / "→" arrow key for up/down, direct number input and drag the mouse.

To enter the Basic Alignment Mode, select "Basic Alignment" in the main menu "Radio." It will start to "Upload" the written personalized data from the radio and to "Download" alignment data to the radio. Then pressing the button "OK" will start the Basic Alignment Mode.

Note; when all items are aligned, it is strongly recommended to align according to following order. The detail information is written in the help of CE59 (Clone Editor).

1. RX VCO Tune Voltage (RX VCO)
2. TX VCO Tune Voltage (TX VCO)
3. PLL Reference Frequency (Frequency)
4. RX Sensitivity (RX Tune)
5. Squelch (SQL)
6. TX Power
7. Modulation Balance <Wide>
8. Modulation Balance <Narrow>
9. Maximum Deviation <Wide>
10. Maximum Deviation <Narrow>
11. Sub-Audio (CTCSS/DCS) Deviation

Installation of Option

FVP-25/FVP-35/DVS-5/VTP-50

The **FVP-25** is an Encryption/DTMF Pageing Unit which permits secure voice communications with station within your network, while preventing others from listening using normal communications equipment. It allows paging, and enables selective calling using DTMF tone sequences.

The **FVP-35** is an Rolling Code Encryption Unit which permits secure voice communications with station within your network, while preventing others from listening using normal communications equipment.

The **DVS-5** is a Voice Storage Unit which allows you to record and play back incoming receiver audio.

The **VTP-50** is a module which provides a complete multichanel digital-access radio trunking system.

Each optional Unit is easily programmed the configulations using a Vertex CE59 programmer with an IBM PC-compatible computer.

1. Disconnect the DC power cable.
2. Grasp the Top Case Cover with both hands, Lift up the Top Case Cover to remove while sprend both side of the Top Case Cover.
3. Referring to Figure 1, remove the five screws affixing the Top Cover, then remove the top cover.
4. Referring to Figure 2, locate the empty connector for the Optional Unit, connect the Optional Unit here.
5. Replace the Top Cover and five screws removed in the first step, then replace the Top Case Cover. Installation is now complete.

Do not install all Optional Unit at onece

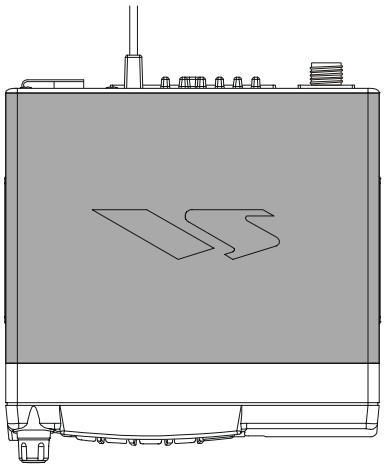


Figure 1

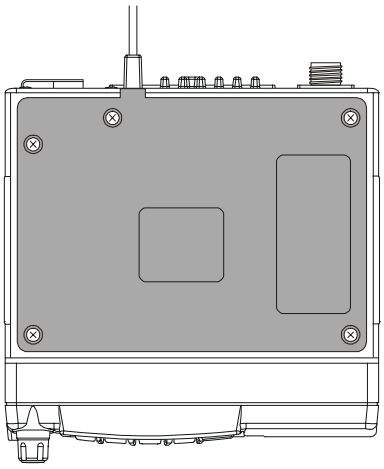


Figure 2

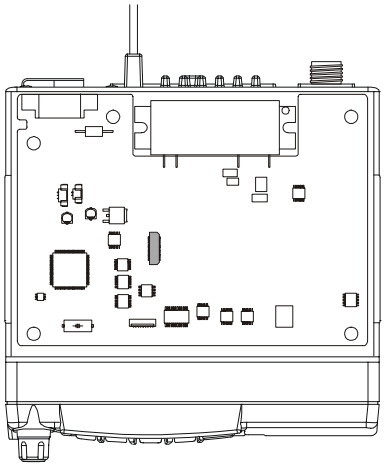


Figure 3

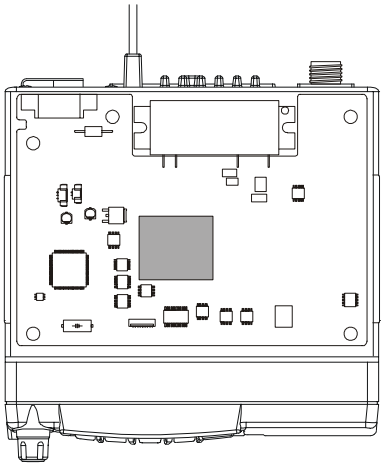
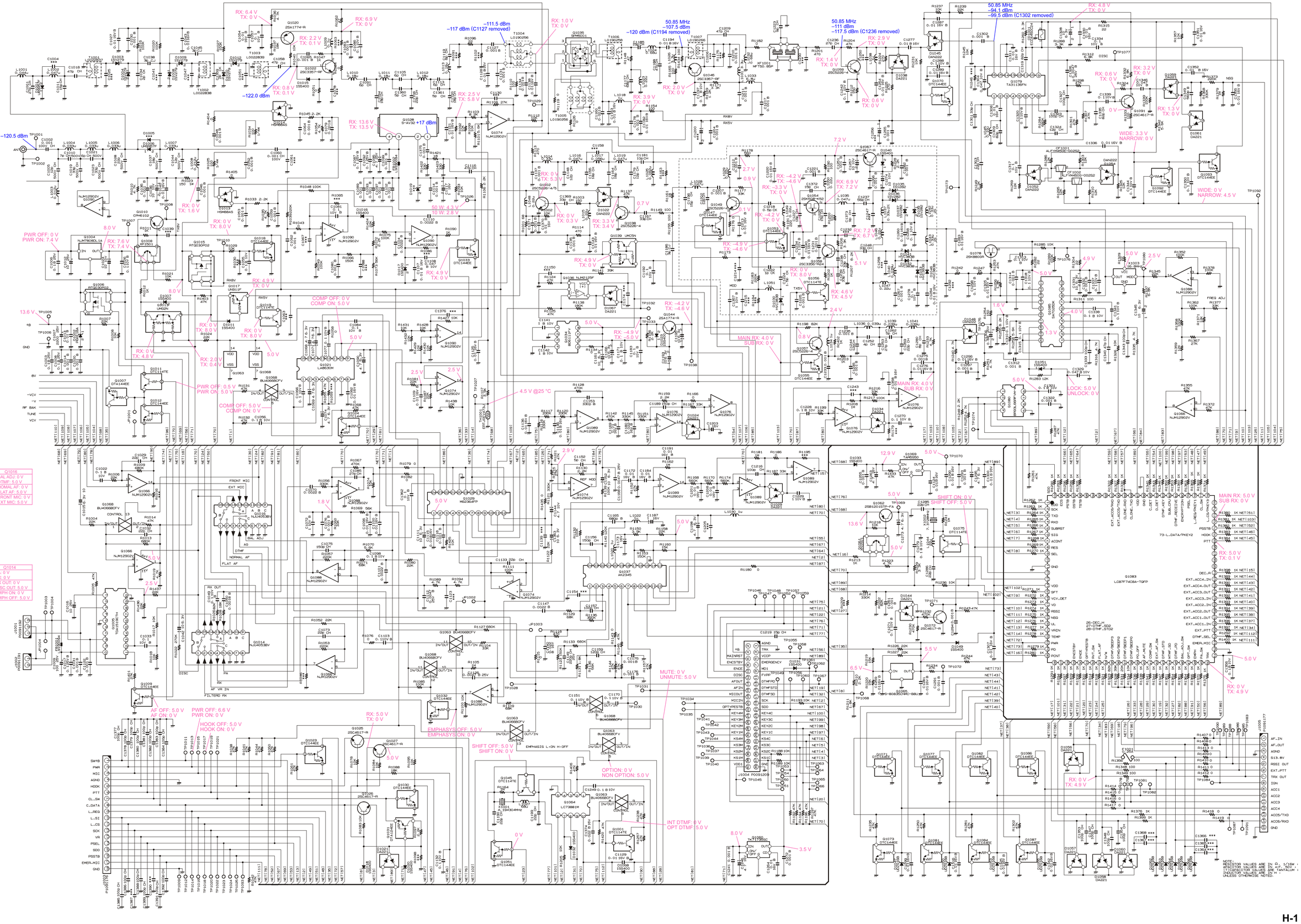


Figure 4

Note

RF Unit

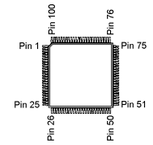
Circuit Diagram



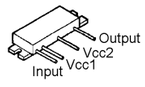
RF Unit

Note

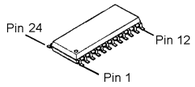
Parts Layout (Side A)



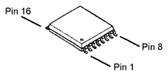
LC87F74C8A
(Q1083)



S-AV32
(Q1028)

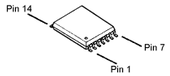


M62364FP
(Q1029)



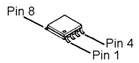
NJU4053BV
(Q1014, 1016)

TA31136FN
(Q1079)



BU4066BCFV
(Q1063, 1068)

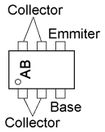
NJM12902V
(Q1066, 1074, 1076, 1089, 1090)



BR93L66RFVM
(Q1080)

2SA1774 (FR)
(Q1020)

2SC4617 (BR)
(Q1072, 1091)



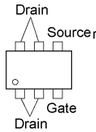
CPH6102
(Q1010)

DTA144EE (16)
(Q1007)

DTC114TE (24)
(Q1011, 1019, 1075)

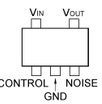
DTC144EE (26)
(Q1009, 1012, 1018, 1033, 1051, 1071, 1071, 1073, 1077, 1081, 1082, 1084, 1086, 1087, 1092, 1093)

S-80835CNMC
(Q1065)

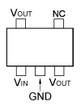


RTQ030
(Q1006, 1015)

NJM7808DL1A
(Q1004)

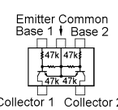


TAR5S50
(Q1069)



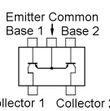
TK71735SCL
(Q1060)

UMC5N (C5)
(Q1039)

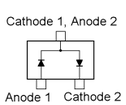


UMG2N (G2)
(Q1013)

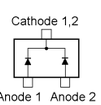
UN911F (60)
(Q1017)



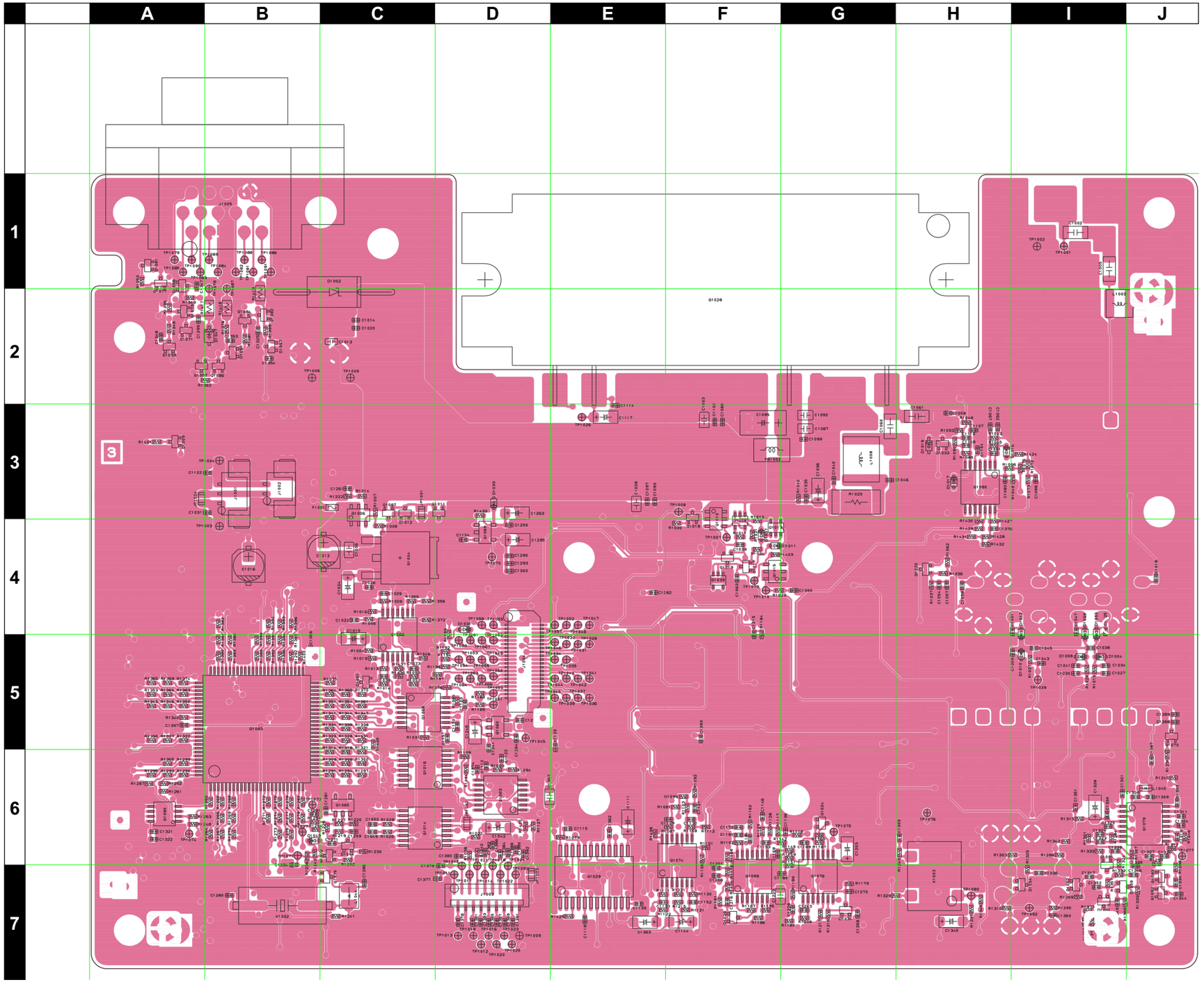
XP1501 (R5)
(Q1008)



DA221 (K)
(D1024, 1029, 1044, 1056, 1057, 1058, 1059, 1060, 1061)

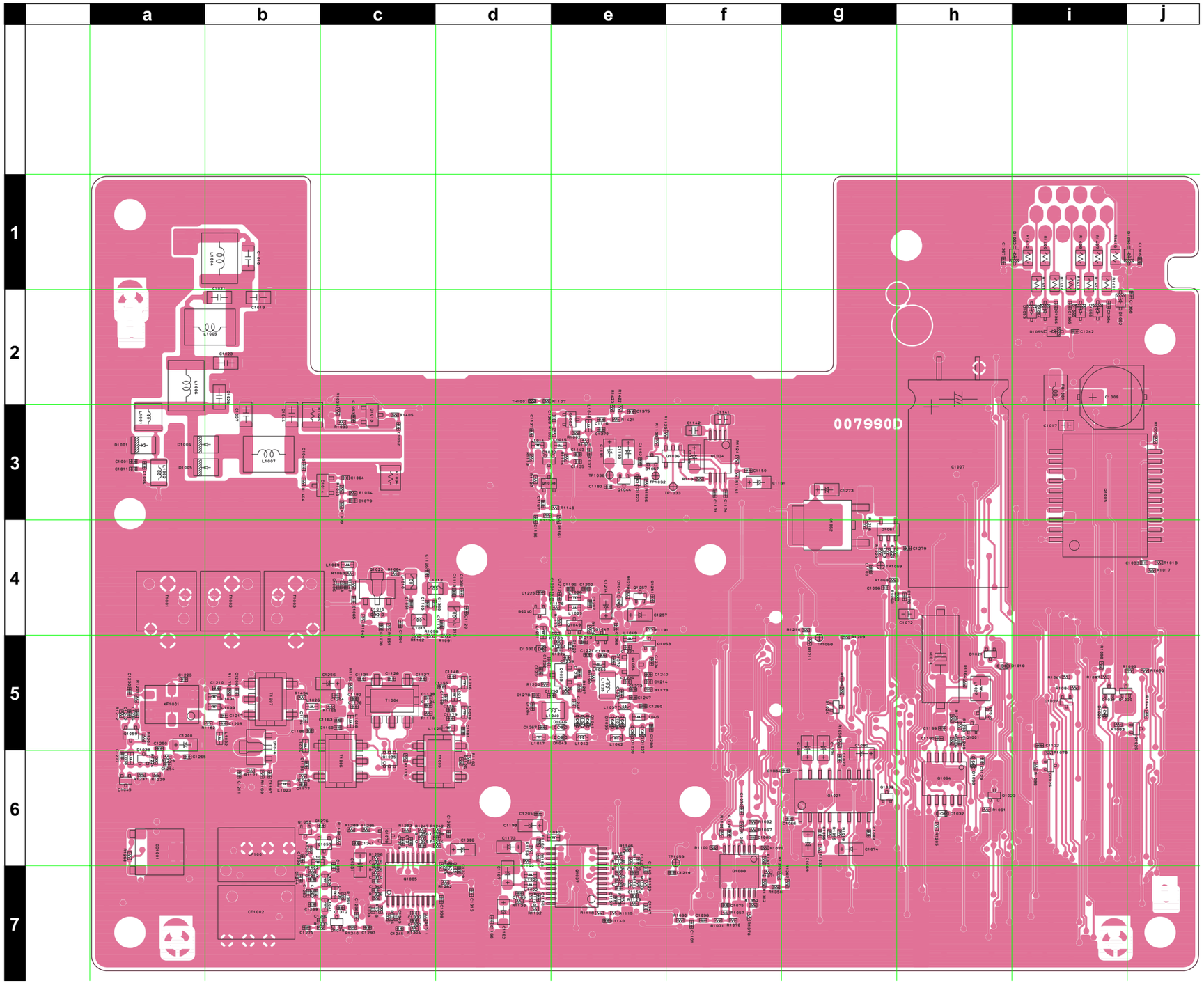


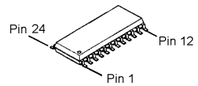
DAN222 (N)
(D1052, 1054)



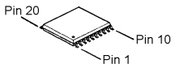
RF Unit

Parts Layout (Side B)



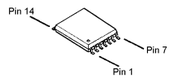


AK2345
(Q1037)



SA7025DK
(Q1085)

TDA1519CTH
(Q1005)



NJM12902V
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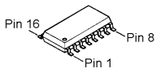
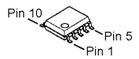


LA8630M
(Q1021)



LC73881M
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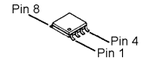
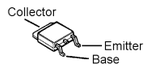


BD6111FV
(Q1034)



2SB1201S
(Q1062)

2SK508 (K52)
(Q1054)

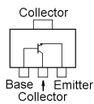
2SK880GR (XG)
(Q1078)

2SA1774 (FR)
(Q1044)

2SC3356 (R24)
(Q1058)

2SC4617 (BR)
(Q1025, 1026, 1027, 1067)

2SC5226 (R22)
(Q1002, 1038, 1049, 1057, 1059)

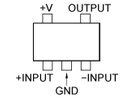


2SC3357 (RK)
(Q1022, 1046)

DTA124EE (15)
(Q1031)

DTC144EE (26)
(Q1023, 1024, 1030, 1032, 1047, 1053, 1055, 1094)

DTC114TE (24)
(Q1001, 1045, 1056)



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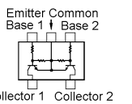
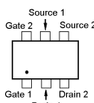
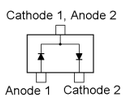


XN1501
(Q1061)

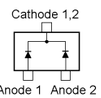


SPM5001
(Q1035)



DA221 (K)
(D1021, 1038, 1067)

HSM88AS (K)
(D1013, 1014)



DAN222 (N)
(D1022, 1045, 1048)

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CB1908001				
	Printed Circuit Board					FR007990D		1-		
C 1001	CHIP CAP.	27pF	50V	CH	GRM36CH270J50PT	K22178222		1-	B	a3
C 1002	CERAMIC CAP.	0.001uF	100V	CH	GRM42-6CH102J100PT	K22201202		1-	A	I1
C 1003	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	A	F3
C 1005	CHIP CAP.	12pF	500V	CH	CF316CH120J500AT	K22271256		1-	A	I1
C 1006	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	A	C4
C 1008	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	A	E3
C 1009	AL.ELECTRO.CAP.	100uF	25V		ECEV1EA101UP	K48140013		1-	B	i2
C 1010	CHIP CAP.	7pF	500V	CH	CF316CH070D500AT	K22271252		1-	B	b1
C 1011	CHIP CAP.	15pF	50V	CH	GRM36CH150J50PT	K22178216		1-	B	a3
C 1012	AL.ELECTRO.CAP.	10uF	25V		MVA-25VC10MD55	K48140014		1-	A	C4
C 1013	CHIP CAP.	0.01uF	50V	B	GRM39B103M50PT	K22174823		1-	A	C2
C 1014	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	C2
C 1015	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	A	C5
C 1016	AL.ELECTRO.CAP.	10uF	25V		MVA-25VC10MD55	K48140014		1-	A	B4
C 1017	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	B	i3
C 1018	CHIP CAP.	47pF	50V	CH	GRM36CH470J50PT	K22178228		1-	A	J4
C 1019	FILM CAP.	33pF	500V		UC232H0330J-T	K33279024		1-	B	b2
C 1020	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	C2
C 1021	CHIP CAP.	6pF	500V	CH	GRM42-6CH060D500PT	K22271209		1-	B	b2
C 1022	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	C4
C 1023	FILM CAP.	33pF	500V		UC232H0330J-T	K33279024		1-	B	b2
C 1024	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	A	C4
C 1026	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	C4
C 1027	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	I5
C 1028	CHIP CAP.	22pF	500V	CH	CF316CH220J500AT	K22271259		1-	B	b2
C 1029	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	A	C4
C 1030	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	I5
C 1031	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B3
C 1032	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	A	C5
C 1033	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	j4
C 1034	CHIP CAP.	2pF	50V	CK	GRM36CK020C50PT	K22178204		1-	A	I5
C 1035	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	G3
C 1036	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	A	G3
C 1037	CHIP CAP.	18pF	500V	CH	CF316CH180J500AT	K22271258		1-	B	b3
C 1038	CHIP CAP.	3pF	50V	CJ	GRM36CJ030C50PT	K22178205		1-	A	I5
C 1040	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	G3
C 1042	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	A	D6
C 1043	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	I5
C 1044	CHIP CAP.	18pF	500V	CH	CF316CH180J500AT	K22271258		1-	B	b3
C 1045	CHIP CAP.	3pF	50V	CJ	GRM36CJ030C50PT	K22178205		1-	A	I5
C 1046	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	G3
C 1048	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b3
C 1049	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	C6
C 1050	CHIP CAP.	0.0018uF	50V	B	GRM36B182K50PT	K22178812		1-	A	C6
C 1052	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c3
C 1053	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c3
C 1054	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	H4
C 1055	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	G4
C 1056	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	g6
C 1057	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	H4
C 1058	CHIP CAP.	47pF	50V	CH	GRM36CH470J50PT	K22178228		1-	A	H4
C 1059	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	H3
C 1060	CERAMIC CAP.	0.001uF	100V	CH	GRM42-6CH102J100PT	K22201202		1-	A	G3
C 1062	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	H3
C 1064	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c3
C 1065	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c4
C 1066	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	g6
C 1068	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	g5
C 1069	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	g6
C 1070	CHIP CAP.	0.0022uF	50V	B	GRM36B222K50PT	K22178813		1-	B	f6
C 1071	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	g5
C 1072	CHIP CAP.	1uF	10V	B	GRM40B105K10PT(0.85)	K22100803		1-	B	h4
C 1073	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	A	C5
C 1074	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	g6
C 1075	CHIP CAP.	150pF	50V	CH	GRM36CH151J50PT	K22178240		1-	B	f7
C 1076	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	h4
C 1077	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	g6
C 1079	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c3
C 1080	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	H3
C 1081	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	H3
C 1082	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	g6

RF Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1083	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c4
C 1084	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	g6
C 1085	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	B	f6
C 1086	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	c4
C 1087	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	A	G3
C 1089	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	F3
C 1090	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	g6
C 1091	CHIP CAP.	6pF	50V	CH	GRM36CH060D50PT	K22178208		1-	B	c4
C 1092	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	A	G3
C 1093	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	E3
C 1094	CHIP CAP.	18pF	50V	CH	GRM36CH180J50PT	K22178218		1-	B	c4
C 1095	CHIP TA.CAP.	4.7uF	25V		TESVC1E475M12R	K78140011		1-	A	F3
C 1096	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	g4
C 1097	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	E3
C 1098	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	f7
C 1099	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	G3
C 1100	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	g4
C 1101	CHIP CAP.	0.0022uF	50V	B	GRM36B222K50PT	K22178813		1-	B	f7
C 1102	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	F3
C 1103	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	D5
C 1104	CHIP CAP.	0.0022uF	50V	B	GRM36B222K50PT	K22178813		1-	A	H3
C 1105	CHIP CAP.	6pF	50V	CH	GRM36CH060D50PT	K22178208		1-	B	c4
C 1106	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	B	c4
C 1107	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	H3
C 1108	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	A	H3
C 1109	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F6
C 1110	CHIP CAP.	0.0022uF	50V	B	GRM36B222K50PT	K22178813		1-	A	H3
C 1111	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	A	E6
C 1112	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-	A	D6
C 1113	CHIP CAP.	6pF	50V	CH	GRM36CH060D50PT	K22178208		1-	B	d4
C 1114	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	E3
C 1115	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	E6
C 1116	CHIP CAP.	47pF	50V	CH	GRM36CH470J50PT	K22178228		1-	B	e3
C 1117	CHIP TA.CAP.	1uF	16V		TMCSA1C105MTR	K78120023		1-	A	E3
C 1118	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	E7
C 1119	CHIP CAP.	8pF	50V	CH	GRM36CH080D50PT	K22178210		1-	B	d4
C 1120	CHIP CAP.	18pF	50V	CH	GRM36CH180J50PT	K22178218		1-	B	d4
C 1121	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F6
C 1122	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B3
C 1124	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	D4
C 1125	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	E5
C 1126	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-	B	f6
C 1127	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c5
C 1128	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	c5
C 1129	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	h6
C 1131	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c5
C 1132	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	i5
C 1133	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	A	E7
C 1134	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c5
C 1135	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e3
C 1136	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	G6
C 1137	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d3
C 1138	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	c5
C 1140	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-	B	e7
C 1141	CHIP CAP.	1uF	10V	B	GRM40B105K10PT(0.85)	K22100803		1-	B	f3
C 1142	CHIP CAP.	1uF	10V	B	GRM40B105K10PT(0.85)	K22100803		1-	B	f3
C 1143	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	e3
C 1144	CHIP TA.CAP.	4.7uF	10V		TEMSVA1A475M-8R	K78100022		1-	A	F7
C 1146	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F6
C 1147	CHIP CAP.	0.0039uF	50V	B	GRM36B392K50PT	K22178816		1-	B	e7
C 1148	CHIP CAP.	12pF	50V	CH	GRM36CH120J50PT	K22178214		1-	B	d5
C 1149	CHIP CAP.	220pF	25V	CH	GRM36CH221J25PT	K22148203		1-	B	e7
C 1151	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	D5
C 1152	CHIP CAP.	5pF	50V	CH	GRM36CH050C50PT	K22178207		1-	A	F7
C 1153	CHIP CAP.	330pF	50V	B	GRM36B331K50PT	K22178803		1-	A	F6
C 1155	CHIP CAP.	18pF	50V	CH	GRM36CH180J50PT	K22178218		1-	B	d5
C 1156	CHIP CAP.	150pF	50V	CH	GRM36CH151J50PT	K22178240		1-	B	d7
C 1157	CHIP CAP.	68pF	50V	CH	GRM36CH680J50PT	K22178232		1-	B	e7
C 1159	CHIP CAP.	120pF	50V	CH	GRM36CH121J50PT	K22178238		1-	B	e7
C 1160	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c5
C 1161	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	B	f3
C 1162	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	B	d7
C 1163	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	c5

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1164	CHIP CAP.	18pF	50V	CH	GRM36CH180J50PT	K22178218		1-	B	d5
C 1165	CHIP CAP.	680pF	50V	B	GRM36B681K50PT	K22178807		1-	B	d7
C 1166	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	B	f3
C 1167	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	B	d3
C 1168	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-	B	d7
C 1169	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F6
C 1170	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	D5
C 1171	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	f3
C 1172	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F6
C 1173	CHIP TA.CAP.	1uF	16V		TMCSA1C105MTR	K78120023		1-	B	d6
C 1175	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e6
C 1176	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e7
C 1177	CHIP CAP.	68pF	50V	CH	GRM36CH680J50PT	K22178232		1-	B	b6
C 1178	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c5
C 1179	CHIP CAP.	12pF	50V	CH	GRM36CH120J50PT	K22178214		1-	B	d5
C 1180	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-	A	F7
C 1181	CHIP CAP.	10pF	50V	CH	GRM36CH100D50PT	K22178212		1-	B	d5
C 1182	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	c5
C 1183	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	e3
C 1184	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F6
C 1185	CHIP CAP.	15pF	50V	CH	GRM36CH150J50PT	K22178216		1-	B	b6
C 1186	CHIP CAP.	3pF	50V	CJ	GRM36CJ030C50PT	K22178205		1-	B	d3
C 1187	CHIP TA.CAP.	1uF	16V		TMCSA1C105MTR	K78120023		1-	B	d7
C 1188	CHIP CAP.	47pF	50V	CH	GRM36CH470J50PT	K22178228		1-	B	b5
C 1189	CHIP CAP.	330pF	50V	B	GRM36B331K50PT	K22178803		1-	A	G6
C 1190	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	B	h5
C 1191	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F6
C 1192	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	e3
C 1193	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	B	e3
C 1194	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	b5
C 1195	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	B	e3
C 1196	CHIP CAP.	15pF	50V	CH	GRM36CH150J50PT	K22178216		1-	B	e4
C 1197	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	b6
C 1198	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	d6
C 1199	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	B	h5
C 1201	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F7
C 1202	CHIP CAP.	12pF	50V	CH	GRM36CH120J50PT	K22178214		1-	B	e4
C 1203	CHIP TA.CAP.	1uF	16V		TMCSA1C105MTR	K78120023		1-	A	G6
C 1204	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c5
C 1207	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e4
C 1208	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F7
C 1209	CHIP CAP.	47pF	50V	CH	GRM36CH470J50PT	K22178228		1-	B	b5
C 1210	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b5
C 1211	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b6
C 1212	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e4
C 1213	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	e5
C 1216	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	F7
C 1217	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b5
C 1218	CHIP CAP.	0.5pF	50V	CK	GRM36CK0R5B50PT	K22178285		1-	B	e5
C 1219	CHIP CAP.	15pF	50V	CH	GRM36CH150J50PT	K22178216		1-	B	f7
C 1220	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	d4
C 1221	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e5
C 1222	CHIP CAP.	1pF	50V	CK	GRM36CK010B50PT	K22178287		1-	B	e5
C 1223	CHIP CAP.	9pF	50V	CH	GRM36CH090D50PT	K22178211		1-	B	a5
C 1224	CHIP CAP.	1.5pF	50V	CK	GRM36CK1R5B50PT	K22178288		1-	B	e5
C 1225	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d4
C 1226	CHIP CAP.	15pF	50V	CH	GRM36CH150J50PT	K22178216		1-	B	e5
C 1227	CHIP CAP.	18pF	50V	CH	GRM36CH180J50PT	K22178218		1-	B	e5
C 1228	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	G7
C 1229	CHIP CAP.	1uF	10V	B	GRM40B105K10PT	K22100802		1-	A	F7
C 1231	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d5
C 1232	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	d5
C 1233	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b6
C 1234	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	e5
C 1235	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c6
C 1236	CHIP CAP.	27pF	50V	CH	GRM36CH270J50PT	K22178222		1-	B	a5
C 1237	CHIP CAP.	56pF	50V	CH	GRM36CH560J50PT	K22178230		1-	B	e5
C 1238	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	B	e5
C 1239	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	B	e5
C 1240	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	e5
C 1241	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	D5
C 1242	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	a5
C 1244	CHIP CAP.	12pF	50V	CH	GRM36CH120J50PT	K22178214		1-	B	b7

RF Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1245	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c7
C 1246	CHIP TA.CAP.	4.7uF	16V		TEMSVA1C475M-8R	K78120031		1-	A	D5
C 1248	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	B	e5
C 1249	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	h5
C 1251	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e4
C 1252	CHIP CAP.	4pF	50V	CH	GRM36CH040C50PT	K22178206		1-	B	b7
C 1253	CHIP CAP.	27pF	50V	CH	GRM36CH270J50PT	K22178222		1-	B	b7
C 1254	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	a6
C 1255	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	D4
C 1257	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	e4
C 1259	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	C6
C 1260	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	e5
C 1261	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	C3
C 1262	CHIP CAP.	5pF	50V	CH	GRM36CH050C50PT	K22178207		1-	B	b7
C 1263	CHIP TA.CAP.	4.7uF	16V		TEMSVA1C475M-8R	K78120031		1-	A	D3
C 1264	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	D5
C 1265	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	a6
C 1266	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e4
C 1267	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	d5
C 1268	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	e5
C 1269	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	B	b7
C 1270	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	G7
C 1271	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	C6
C 1272	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	D5
C 1273	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	g3
C 1274	CHIP TA.CAP.	10uF	10V		TEMSVA1A106M-8R	K78100028		1-	B	e4
C 1275	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	b7
C 1276	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	b6
C 1277	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	a6
C 1278	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	d5
C 1279	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	h4
C 1280	CHIP CAP.	8pF	50V	CH	GRM36CH080D50PT	K22178210		1-	B	b7
C 1281	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	C6
C 1282	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	E4
C 1283	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	F5
C 1284	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	d5
C 1285	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	A	B7
C 1286	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	A	C7
C 1287	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	J6
C 1288	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	J5
C 1289	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	J5
C 1290	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	D4
C 1291	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B6
C 1293	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	D4
C 1294	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	B7
C 1295	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	A	D4
C 1296	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	c7
C 1297	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c7
C 1298	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	c6
C 1299	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	A2
C 1300	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	D4
C 1301	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	A	I6
C 1302	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	J6
C 1303	CHIP CAP.	22pF	50V	CH	GRM36CH220J50PT	K22178220		1-	A	H6
C 1304	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	A	J6
C 1305	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	c6
C 1306	CHIP TA.CAP.	0.68uF	20V		TESVA1D684M1-8R	K78130009		1-	B	d6
C 1307	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	A5
C 1308	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	J6
C 1309	CHIP CAP.	82pF	50V	CH	GRM36CH820J50PT	K22178234		1-	A	J6
C 1310	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	c7
C 1311	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	J6
C 1312	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c7
C 1313	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	d7
C 1314	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c6
C 1315	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	c6
C 1316	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	j1
C 1317	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	I7
C 1318	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	c6
C 1319	CHIP CAP.	82pF	50V	CH	GRM36CH820J50PT	K22178234		1-	A	J6
C 1320	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	I6
C 1321	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	A6
C 1322	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	A	A6

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1323	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	I6
C 1324	CHIP CAP.	12pF	50V	CH	GRM36CH120J50PT	K22178214		1-	A	I6
C 1325	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	B2
C 1326	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-	A	J6
C 1327	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	J6
C 1328	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	A	I6
C 1329	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	B	d7
C 1330	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	I6
C 1331	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	B	c6
C 1332	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	c7
C 1333	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	B	c7
C 1334	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	J7
C 1335	CHIP CAP.	82pF	50V	CH	GRM36CH820J50PT	K22178234		1-	A	J7
C 1336	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	I7
C 1337	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	c7
C 1338	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	d7
C 1339	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	I6
C 1340	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	B	c7
C 1341	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	B	c6
C 1342	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	i2
C 1343	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	B	c7
C 1344	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	J7
C 1345	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	A	H7
C 1346	CHIP CAP.	0.047uF	10V	B	GRM36B473K10PT	K22108801		1-	A	J7
C 1347	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	A1
C 1348	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	A2
C 1349	CHIP CAP.	560pF	50V	B	GRM36B561K50PT	K22178806		1-	A	I7
C 1350	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	I7
C 1351	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	I6
C 1352	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	I7
C 1353	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	B2
C 1354	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	B2
C 1355	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	A	I7
C 1356	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	B5
C 1357	CHIP CAP.	1uF	10V	B	GRM40B105K10PT(0.85)	K22100803		1-	A	D6
C 1358	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-	A	G7
C 1359	CHIP CAP.	2pF	50V	CK	GRM36CK020C50PT	K22178204		1-	A	H5
C 1360	CHIP CAP.	5pF	50V	CH	GRM36CH050C50PT	K22178207		1-	B	c4
C 1361	CHIP CAP.	5pF	50V	CH	GRM36CH050C50PT	K22178207		1-	B	d4
C 1362	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-	A	E6
C 1363	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-	A	E7
C 1369	CHIP CAP.	33pF	50V	CH	GRM36CH330J50PT	K22178224		1-	B	e3
C 1370	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-	B	e3
C 1371	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e3
C 1372	CHIP CAP.	15pF	50V	CH	GRM36CH150J50PT	K22178216		1-	B	e5
C 1373	CHIP CAP.	8pF	50V	CH	GRM36CH080D50PT	K22178210		1-	B	e5
C 1374	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-	A	D6
C 1375	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-	B	e3
C 1377	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D7
C 1378	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D7
C 1379	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D7
C 1380	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D6
C 1381	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D7
C 1382	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D6
C 1383	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D7
C 1384	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D6
C 1385	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D7
C 1386	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D6
C 1388	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D6
C 1389	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D7
C 1391	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D7
C 1392	CHIP CAP.	100pF	50V	CH	GRM36CH101J50PT	K22178236		1-	A	D6
C 1393	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-		
C 1422	AL.ELECTRO.CAP.	100uF	25V		RE2-25V101M 100UF	K40149028		1-		
CD1001	CERAMIC DISC				ECDA450C24	H7901460		1-	B	a6
CF1001	CERAMIC FILTER				ALFYM450E-002S2=K	H3900555		1-	B	b7
CF1002	CERAMIC FILTER				ALFYM450G-002S2=K	H3900557		1-	B	b7
D 1001	DIODE				RLS135 TE-11	G2070128		1-	B	a3
D 1002	SURGE ABSORBER				P6KA18	Q9000721		1-	A	C2
D 1003	DIODE				1SV279(TPH3)	G2070618		1-	A	I4
D 1004	DIODE				1SV279(TPH3)	G2070618		1-	A	I5
D 1005	DIODE				UM9957F/TR	G2070562		1-	B	a3
D 1006	DIODE				UM9957F/TR	G2070562		1-	B	a3

RF Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
D 1007	DIODE				1SS400 TE61	G2070634		1-	A	F4
D 1008	DIODE				1SV279(TPH3)	G2070618		1-	A	I5
D 1009	DIODE				1SV279(TPH3)	G2070618		1-	A	I4
D 1010	DIODE				1SV279(TPH3)	G2070618		1-	A	I5
D 1011	DIODE				1SS400 TE61	G2070634		1-	A	F4
D 1012	DIODE				1SV279(TPH3)	G2070618		1-	A	I4
D 1013	DIODE				HSM88AS TR	G2070170		1-	B	c3
D 1014	DIODE				HSM88AS TR	G2070170		1-	B	c3
D 1015	DIODE				1SS400 TE61	G2070634		1-	B	c4
D 1016	DIODE				1SS400 TE61	G2070634		1-	A	H3
D 1017	DIODE				1SS400 TE61	G2070634		1-	A	H3
D 1018	DIODE				1SS400 TE61	G2070634		1-	B	h5
D 1020	DIODE				1SS400 TE61	G2070634		1-	B	i5
D 1021	DIODE				DA221 TL	G2070178		1-	B	h5
D 1022	DIODE				DAN222 TL	G2070174		1-	B	d3
D 1023	DIODE				1SS400 TE61	G2070634		1-	B	e3
D 1024	DIODE				DA221 TL	G2070178		1-	A	G6
D 1029	DIODE				DA221 TL	G2070178		1-	A	F7
D 1030	DIODE				HVC383B	G2070922		1-	B	d5
D 1031	DIODE				1SS400 TE61	G2070634		1-	A	D4
D 1033	DIODE				1SS400 TE61	G2070634		1-	A	D3
D 1035	DIODE				1SV282(TPH3)	G2070778		1-	B	e5
D 1036	DIODE				1SV282(TPH3)	G2070778		1-	B	e5
D 1037	DIODE				1SV282(TPH3)	G2070778		1-	B	e5
D 1038	DIODE				DA221 TL	G2070178		1-	B	a6
D 1039	DIODE				1SV282(TPH3)	G2070778		1-	B	e5
D 1040	DIODE				1SS400 TE61	G2070634		1-	B	e4
D 1041	DIODE				HVC383B	G2070922		1-	B	e5
D 1042	DIODE				HVC383B	G2070922		1-	B	e5
D 1043	DIODE				HVC383B	G2070922		1-	B	e5
D 1044	DIODE				DA221 TL	G2070178		1-	A	C6
D 1045	DIODE				DAN222 TL	G2070174		1-	B	a6
D 1046	DIODE				HVC383B	G2070922		1-	B	e5
D 1047	DIODE				UDZS TE-17 16B	G2070914		1-	A	B2
D 1048	DIODE				DAN222 TL	G2070174		1-	B	c7
D 1049	DIODE				1SS400 TE61	G2070634		1-	A	B6
D 1050	DIODE				UDZS TE-17 16B	G2070914		1-	B	i1
D 1051	DIODE				1SS400 TE61	G2070634		1-	B	d7
D 1052	DIODE				DAN222 TL	G2070174		1-	A	I7
D 1053	DIODE				UDZS TE-17 16B	G2070914		1-	B	i2
D 1054	DIODE				DAN222 TL	G2070174		1-	A	I7
D 1055	DIODE				UDZS TE-17 16B	G2070914		1-	B	i2
D 1056	DIODE				DA221 TL	G2070178		1-	A	A1
D 1057	DIODE				DA221 TL	G2070178		1-	A	B2
D 1058	DIODE				DA221 TL	G2070178		1-	A	A2
D 1059	DIODE				DA221 TL	G2070178		1-	A	I7
D 1060	DIODE				DA221 TL	G2070178		1-	A	B2
D 1061	DIODE				DA221 TL	G2070178		1-	A	I7
D 1062	DIODE				UDZS TE-17 16B	G2070914		1-	B	i2
D 1063	DIODE				UDZS TE-17 16B	G2070914		1-	B	i1
D 1064	DIODE				UDZS TE-17 16B	G2070914		1-	B	i2
D 1065	DIODE				UDZS TE-17 16B	G2070914		1-	B	i2
D 1066	DIODE				UDZS TE-17 16B	G2070914		1-	B	i2
D 1067	DIODE				DA221 TL	G2070178		1-	B	e3
D 1068	DIODE				1SS400 TE61	G2070634		1-	B	h6
F 1001	CHIP FUSE	0.25A			0434.250 0.25A	Q0000106		1-	A	C3
FB1001	FERRITE BEADS				SMB304729	L9190094		1-	B	i2
FB1002	FERRITE BEADS				SMB304729	L9190094		1-	A	F3
J 1001	CONNECTOR				53398-0390	P0091192		1-	A	B3
J 1002	CONNECTOR				53398-0290	P0091191		1-	A	B3
J 1003	CONNECTOR				18FLT-SM1-TB	P1091176		1-	A	D7
J 1004	CONNECTOR				AXK6S40535P	P0091209		1-	A	D5
J 1005	CONNECTOR				AE0195-00	P1091177		1-	A	B1
JP1001	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	C3
JP1002	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	D6
JP1005	WIRE ASSY				GRN 20 2/2	T50502000		1-		
JP1006	WIRE ASSY				GRN 60 2/2	T50506000		1-		
L 1001	COIL	0.044uH			AS050535-44N	L0022812		1-	B	a3
L 1002	COIL	0.047uH			AS030821-47NJ	L0022824		1-	B	a3
L 1003	COIL	0.012uH			AS080336-12N	L0022810		1-	A	I2
L 1004	COIL	0.033uH			AS1005-33NK	L0022546		1-	B	b1
L 1005	COIL	0.033uH			AS1005-33NK	L0022546		1-	B	b2
L 1006	COIL	0.033uH			AS1005-33NK	L0022546		1-	B	a2

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
L 1007	COIL	0.033uH			AS1005-33NK	L0022546		1-	B	b3
L 1008	COIL	0.212uH			AS051047-212N	L0022834		1-	A	G3
L 1009	M.RFC	0.1uH			LK1608 R10K-T	L1690407		1-	B	c4
L 1010	CHIP COIL	0.18uH			LQN21AR18J04	L1690623		1-	B	c4
L 1011	CHIP COIL	0.18uH			LQN21AR18J04	L1690623		1-	B	c4
L 1012	CHIP COIL	0.18uH			LQN21AR18J04	L1690623		1-	B	c4
L 1013	CHIP COIL	0.18uH			LQN21AR18J04	L1690623		1-	B	d4
L 1014	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-	B	d3
L 1015	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	e3
L 1016	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		1-	B	d5
L 1017	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	B	d5
L 1018	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	c5
L 1019	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		1-	B	d5
L 1020	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	d7
L 1022	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	d7
L 1023	M.RFC	0.22uH			LK1608 R22K-T	L1690410		1-	B	b6
L 1024	M.RFC	0.68uH			LK1608 R68K-T	L1690416		1-	B	b5
L 1025	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-	B	d5
L 1026	M.RFC	3.3uH			LK1608 3R3K-T	L1690686		1-	B	b5
L 1027	CHIP COIL	100uH			LQH3N101K02M00-	L1690099		1-	B	h5
L 1028	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		1-	B	e4
L 1029	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	e4
L 1030	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	e6
L 1031	M.RFC	3.3uH			LK1608 3R3K-T	L1690686		1-	B	b5
L 1032	M.RFC	0.68uH			LK1608 R68K-T	L1690416		1-	B	b5
L 1033	M.RFC	6.8uH			LK1608 6R8K-T	L1690632		1-	B	b5
L 1034	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	b6
L 1035	COIL	0.047uH			AS030821-47NJ	L0022824		1-	B	e5
L 1036	M.RFC	0.039uH			HK1608 39NJ-T	L1690523		1-	B	c7
L 1037	M.RFC	0.33uH		2%	C1608CA-R33G	L1691106		1-	B	e5
L 1038	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	a6
L 1039	M.RFC	0.039uH			HK1608 39NJ-T	L1690523		1-	B	c7
L 1040	COIL	0.039uH			AS030721-39NK	L0022587		1-	B	e5
L 1041	M.RFC	0.039uH			HK1608 39NJ-T	L1690523		1-	B	c7
L 1042	M.RFC	0.33uH		2%	C1608CA-R33G	L1691106		1-	B	e5
L 1043	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	e5
L 1044	CHIP COIL	22uH			LQH3N220K02M00-	L1690091		1-	A	C7
L 1045	M.RFC	0.15uH			HK1608 R15J-T	L1690938		1-	A	J6
L 1046	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	e5
L 1047	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	d5
L 1048	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	e3
L 1049	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	e5
L 1050	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	e5
L 1051	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	d4
Q 1001	TRANSISTOR				DTC114TE TL	G3070225		1-	B	h5
Q 1002	TRANSISTOR				2SC5226-4/5-TL	G3352268Z		1-	B	e3
Q 1004	IC				NJM7808DL1A(TE1)	G1093802		1-	A	C4
Q 1005	IC				TDA1519CTH	G1093778		1-	B	i3
Q 1006	FET				RTQ030P02	G4070015		1-	A	C3
Q 1007	TRANSISTOR				DTA144EE TL	G3070074		1-	A	C3
Q 1008	TRANSISTOR				XP1501-(TX)	G3070143		1-	A	F4
Q 1009	TRANSISTOR				DTC144EE TL	G3070075		1-	A	A3
Q 1010	TRANSISTOR				CPH6102-TL	G3070223		1-	A	F3
Q 1011	TRANSISTOR				DTC114TE TL	G3070225		1-	A	D3
Q 1012	TRANSISTOR				DTC144EE TL	G3070075		1-	A	C3
Q 1013	TRANSISTOR				UMG2N TR	G3070088		1-	A	F4
Q 1014	IC				NJU4053BV-TE1	G1092927		1-	A	C6
Q 1015	FET				RTQ030P02	G4070015		1-	A	F4
Q 1016	IC				NJU4053BV-TE1	G1092927		1-	A	C6
Q 1017	TRANSISTOR				UN911F-(TX)	G3070150		1-	A	F4
Q 1018	TRANSISTOR				DTC144EE TL	G3070075		1-	A	F3
Q 1019	TRANSISTOR				DTC114TE TL	G3070225		1-	A	F4
Q 1020	TRANSISTOR				2SA1774 TL R	G3117748R		1-	A	H4
Q 1021	IC				LA8630M-TE-R	G1093452		1-	B	g6
Q 1022	TRANSISTOR				2SC3357-T2 RF	G3333577F		1-	B	c4
Q 1023	TRANSISTOR				DTC144EE TL	G3070075		1-	B	h6
Q 1024	TRANSISTOR				DTC144EE TL	G3070075		1-	B	g5
Q 1025	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	i6
Q 1026	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	j5
Q 1027	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	i5
Q 1028	IC				S-AV32	G1093916		1-	A	D1
Q 1029	IC				M62364FP 600D	G1093033		1-	A	E7
Q 1030	TRANSISTOR				DTC144EE TL	G3070075		1-	B	i5

RF Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
Q 1031	TRANSISTOR				DTA124EE TL	G3070116		1-	B	i5
Q 1032	TRANSISTOR				DTC144EE TL	G3070075		1-	B	g6
Q 1033	TRANSISTOR				DTC144EE TL	G3070075		1-	A	H3
Q 1034	IC				BD6111FV-E2	G1093746		1-	B	f3
Q 1035	IC				SPM5001	G1093686		1-	B	c6
Q 1036	IC				NJM2125F(TAPE)	G1093894		1-	B	f3
Q 1037	IC				AK2345(TAPE)	G1093184		1-	B	e7
Q 1038	TRANSISTOR				2SC5226-4-TL	G3352268D		1-	B	d3
Q 1039	TRANSISTOR				UMC5N TR	G3070137		1-	A	F4
Q 1044	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	e3
Q 1045	TRANSISTOR				DTC114TE TL	G3070225		1-	B	h5
Q 1046	TRANSISTOR				2SC3357-T2 RF	G3333577F		1-	B	b5
Q 1047	TRANSISTOR				DTC144EE TL	G3070075		1-	B	e5
Q 1049	TRANSISTOR				2SC5226-4-TL	G3352268D		1-	B	e4
Q 1051	TRANSISTOR				DTC144EE TL	G3070075		1-	A	C5
Q 1053	TRANSISTOR				DTC144EE TL	G3070075		1-	B	e5
Q 1054	FET				2SK508-T2B K52	G3805087B		1-	B	e5
Q 1055	TRANSISTOR				DTC144EE TL	G3070075		1-	B	b6
Q 1056	TRANSISTOR				DTC114TE TL	G3070225		1-	B	d4
Q 1057	TRANSISTOR				2SC5226-4-TL	G3352268D		1-	B	c6
Q 1058	TRANSISTOR				2SC3356-T2B R24	G3333567D		1-	B	e5
Q 1059	TRANSISTOR				2SC5226-4-TL	G3352268D		1-	B	a5
Q 1060	IC				TK71735SCL	G1093835		1-	A	D5
Q 1061	TRANSISTOR				XN1501-(TX)	G3070149		1-	B	g4
Q 1062	TRANSISTOR				2SB1201S-TL	G3070195		1-	B	g4
Q 1063	IC				BU4066BCFV-E2	G1093537		1-	A	D6
Q 1064	IC				LC73881M-TLM	G1092755		1-	B	h6
Q 1065	IC				S-80835CNMC-B8U-T2	G1093606		1-	A	C6
Q 1066	IC				NJM12902V(TE1)	G1093592		1-	A	C5
Q 1067	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	e4
Q 1068	IC				BU4066BCFV-E2	G1093537		1-	A	C5
Q 1069	IC				TAR5S50(TE85L)	G1093914		1-	A	D4
Q 1070	TRANSISTOR				DTC144EE TL	G3070075		1-	A	J5
Q 1071	TRANSISTOR				DTC144EE TL	G3070075		1-	A	A2
Q 1072	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	C6
Q 1073	TRANSISTOR				DTC144EE TL	G3070075		1-	A	A2
Q 1074	IC				NJM12902V(TE1)	G1093592		1-	A	F6
Q 1075	TRANSISTOR				DTC114TE TL	G3070225		1-	A	C7
Q 1076	IC				NJM12902V(TE1)	G1093592		1-	A	G7
Q 1077	TRANSISTOR				DTC144EE TL	G3070075		1-	A	A1
Q 1078	FET				2SK880GR TE85R	G3808807G		1-	B	c6
Q 1079	IC				TA31136FN(EL)	G1091605		1-	A	J6
Q 1080	IC				BR93L66RFVM-WTR	G1093874		1-	A	A6
Q 1081	TRANSISTOR				DTC144EE TL	G3070075		1-	A	A1
Q 1082	TRANSISTOR				DTC144EE TL	G3070075		1-	A	B2
Q 1083	IC				LC87F74C8A-TQFP-E	※		1-	A	B5
Q 1084	TRANSISTOR				DTC144EE TL	G3070075		1-	A	B2
Q 1085	IC				SA7025DK	G1093014		1-	B	c7
Q 1086	TRANSISTOR				DTC144EE TL	G3070075		1-	A	B2
Q 1087	TRANSISTOR				DTC144EE TL	G3070075		1-	A	A2
Q 1088	IC				NJM12902V(TE1)	G1093592		1-	B	f7
Q 1089	IC				NJM12902V(TE1)	G1093592		1-	A	F7
Q 1090	IC				NJM12902V(TE1)	G1093592		1-	A	H3
Q 1091	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	I7
Q 1092	TRANSISTOR				DTC144EE TL	G3070075		1-	A	J7
Q 1093	TRANSISTOR				DTC144EE TL	G3070075		1-	A	J7
Q 1094	TRANSISTOR				DTC144EE TL	G3070075		1-		
R 1001	CHIP RES.	68	1/16W	5%	RMC1/16S 680JTH	J24189011		1-	B	e3
R 1002	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e3
R 1003	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	e3
R 1004	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C5
R 1005	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	j3
R 1006	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C4
R 1007	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C3
R 1008	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 1009	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-	A	C4
R 1010	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	G3
R 1011	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F4
R 1012	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F4
R 1013	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-	A	C5
R 1014	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	A	C5
R 1015	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	I5
R 1017	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	j4

※: Please contact Vertex Standard

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1018	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	j4
R 1019	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	C5
R 1020	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	I5
R 1021	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	F4
R 1022	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		1-	A	D6
R 1023	CHIP RES.	100	1W	5%	RMC1 101JTE	J24305101		1-	A	G3
R 1024	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F4
R 1025	CHIP RES.	100	1/4W	5%	RMC1/4 101JATP	J24245101		1-	B	b3
R 1026	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	C6
R 1027	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	I5
R 1028	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	A	C6
R 1029	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	F4
R 1031	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C5
R 1032	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	g6
R 1033	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	c3
R 1034	CHIP RES.	100	1/4W	5%	RMC1/4 101JATP	J24245101		1-	B	c3
R 1035	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c3
R 1036	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	H4
R 1037	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	A	H4
R 1038	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D6
R 1039	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	c3
R 1040	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c4
R 1041	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	i5
R 1042	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D6
R 1043	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	H3
R 1044	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	j5
R 1045	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	c3
R 1047	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c4
R 1048	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	H3
R 1049	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	H3
R 1050	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	j5
R 1051	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	c4
R 1052	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	A	C5
R 1053	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	C5
R 1054	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c3
R 1055	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	g6
R 1056	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	f6
R 1057	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	f7
R 1058	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	g5
R 1060	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	g4
R 1061	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	h6
R 1062	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	H4
R 1064	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	c4
R 1066	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	A	H3
R 1067	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	B	f6
R 1068	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	g5
R 1069	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	B	g4
R 1070	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	f7
R 1071	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	f7
R 1072	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	I3
R 1073	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	A	I3
R 1074	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f6
R 1075	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	I3
R 1076	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D5
R 1078	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	i6
R 1079	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	E6
R 1080	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	f7
R 1081	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	F6
R 1083	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	i5
R 1084	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	i5
R 1085	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D5
R 1087	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	F6
R 1088	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	i6
R 1089	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	D6
R 1090	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	H3
R 1092	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	F6
R 1093	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	A	H3
R 1094	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	D6
R 1095	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	j5
R 1096	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	c4
R 1097	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	i5
R 1099	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	F6
R 1100	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f6

RF Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1101	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	F6
R 1103	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	A	F6
R 1104	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	D6
R 1105	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f6
R 1106	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	F6
R 1107	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	B	d2
R 1108	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	A	F6
R 1109	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	D6
R 1110	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c5
R 1111	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	E7
R 1112	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	F6
R 1113	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d3
R 1114	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	e3
R 1115	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e7
R 1116	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	G6
R 1117	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	F6
R 1118	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	e7
R 1119	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	c6
R 1120	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	F6
R 1121	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	F7
R 1122	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	E7
R 1123	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	e7
R 1124	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	f3
R 1125	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e3
R 1126	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d6
R 1127	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		1-	A	D6
R 1128	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	F6
R 1129	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	B	e7
R 1130	CHIP RES.	1.2M	1/16W	5%	RMC1/16S 125JTH	J24189062		1-	A	F7
R 1131	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	B	e7
R 1132	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	d7
R 1133	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-	B	e7
R 1134	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	f3
R 1135	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	e7
R 1136	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	B	e6
R 1137	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d3
R 1138	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	B	e3
R 1139	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	d7
R 1140	CHIP RES.	120k	1/16W	5%	RMC1/16S 124JTH	J24189050		1-	B	d7
R 1141	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	B	f3
R 1142	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	F6
R 1143	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e7
R 1144	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e7
R 1145	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	G6
R 1146	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e6
R 1147	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e6
R 1148	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	b6
R 1149	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e3
R 1150	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	B	d6
R 1151	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	G7
R 1152	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F6
R 1153	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	d6
R 1154	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c5
R 1155	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d3
R 1156	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	e3
R 1157	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e6
R 1158	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	d6
R 1159	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	G6
R 1160	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	d6
R 1161	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	B	e3
R 1162	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	F6
R 1163	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	d6
R 1164	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	h5
R 1165	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c5
R 1166	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	G6
R 1167	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	G6
R 1168	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	A	F6
R 1169	CHIP RES.	1.2k	1/16W	5%	RMC1/16S 122JTH	J24189026		1-	B	b6
R 1170	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	A	F7
R 1171	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	b6
R 1173	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e5
R 1174	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	A	F7
R 1176	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e4

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1177	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	e4
R 1178	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		1-	B	e4
R 1180	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	G7
R 1181	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	F7
R 1182	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b5
R 1183	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e4
R 1184	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F5
R 1186	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	F7
R 1187	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	F7
R 1188	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D5
R 1189	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D5
R 1190	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e5
R 1191	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	e4
R 1192	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D5
R 1193	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D5
R 1194	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D5
R 1196	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D5
R 1197	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D5
R 1198	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	B	c6
R 1199	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	G7
R 1200	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d5
R 1201	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	a5
R 1202	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e5
R 1203	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	b6
R 1204	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	a5
R 1206	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	e5
R 1207	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	B	e5
R 1208	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	G7
R 1210	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	g4
R 1211	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	B	g5
R 1212	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	a5
R 1213	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g4
R 1214	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	C3
R 1215	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	A	F7
R 1216	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	G7
R 1217	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	G7
R 1218	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	g4
R 1219	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	C6
R 1220	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	C6
R 1221	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F7
R 1222	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	C3
R 1223	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	g4
R 1224	CHIP RES.	270	1/16W	5%	RMC1/16S 271JTH	J24189018		1-	B	a6
R 1225	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	a6
R 1226	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C6
R 1227	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C6
R 1228	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	e4
R 1229	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	g4
R 1230	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	C6
R 1231	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	J6
R 1232	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	C6
R 1233	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b7
R 1234	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B6
R 1235	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A2
R 1236	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B6
R 1237	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a6
R 1238	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	h5
R 1239	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	a6
R 1240	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c7
R 1241	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	C7
R 1242	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	c6
R 1243	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B6
R 1244	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B6
R 1245	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	J6
R 1247	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c6
R 1248	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	A6
R 1249	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	H6
R 1250	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A1
R 1251	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c7
R 1252	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	A6
R 1253	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c6
R 1254	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	c6
R 1255	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c7

Parts List

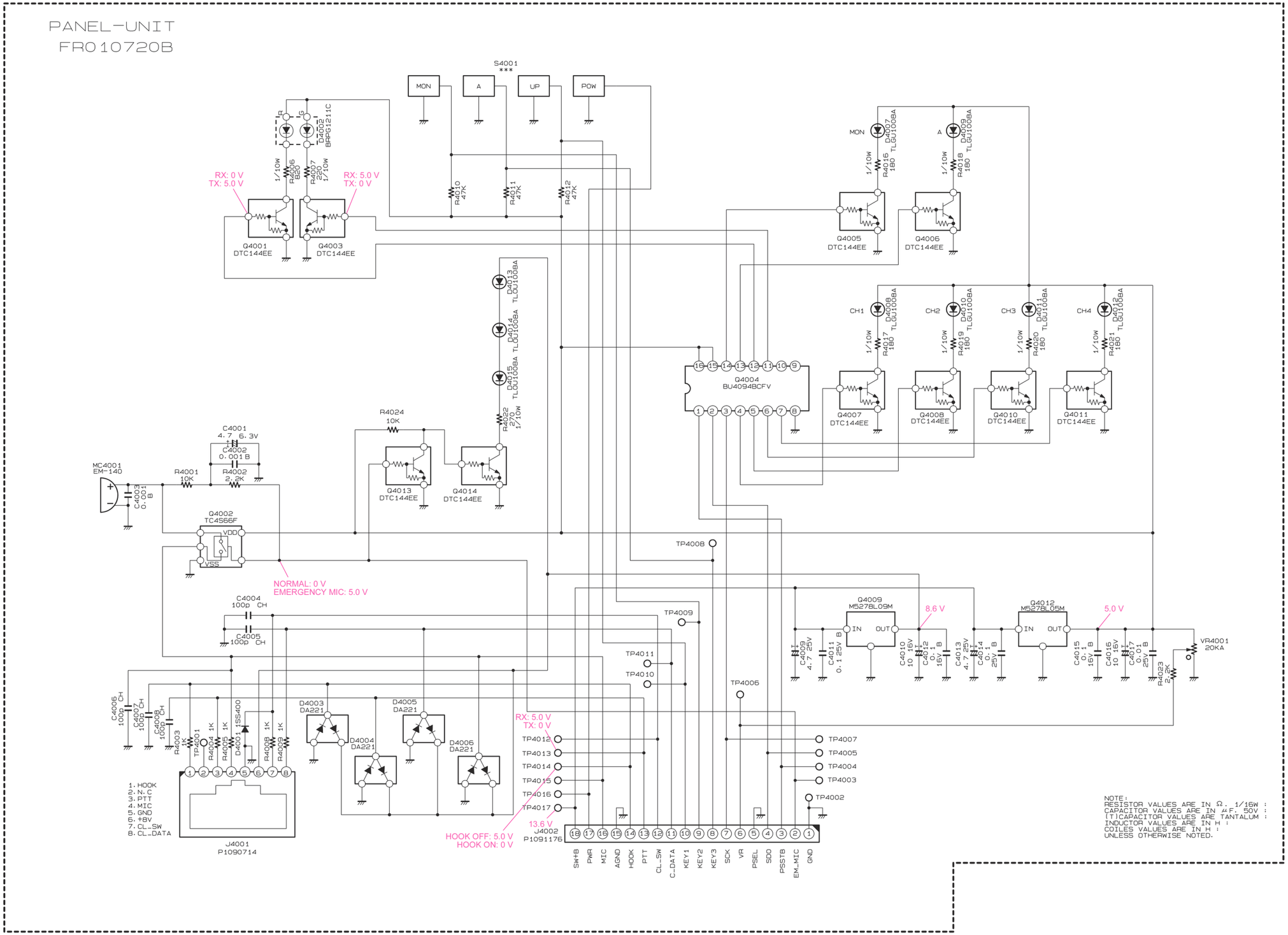
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1256	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c6
R 1257	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	h5
R 1258	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c6
R 1259	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	A	I7
R 1260	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	a6
R 1261	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A6
R 1262	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1263	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	A6
R 1264	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1265	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1266	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1267	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1268	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1269	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1270	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1271	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1272	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1273	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1274	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1275	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1276	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1277	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1278	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1279	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1280	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B6
R 1281	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B2
R 1282	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d7
R 1283	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	d6
R 1284	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-	A	I6
R 1285	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c6
R 1286	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	A	I6
R 1287	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A6
R 1288	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	J7
R 1289	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c6
R 1290	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	A6
R 1291	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1292	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1293	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A6
R 1294	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1295	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	A	I7
R 1296	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A6
R 1297	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1298	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	J6
R 1299	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A6
R 1300	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1301	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	I6
R 1302	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A2
R 1303	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	A	H6
R 1304	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	c7
R 1305	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A6
R 1306	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1307	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	J6
R 1309	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1310	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	A	H7
R 1311	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c7
R 1312	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	A	J6
R 1314	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1315	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	I6
R 1316	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c7
R 1318	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1321	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C6
R 1322	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1323	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	C5
R 1324	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	I6
R 1325	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	A	I7
R 1326	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c7
R 1327	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1328	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	C5
R 1329	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	G7
R 1330	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1331	CHIP RES.	20k	1/16W	0.5%	RR0510R-203-D	J24189150		1-	A	C5
R 1332	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	A	I7
R 1333	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	I6

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1334	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C5
R 1335	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c7
R 1336	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1337	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	A	H7
R 1338	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1339	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	J7
R 1340	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1341	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1342	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	I6
R 1343	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1344	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1345	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	H7
R 1346	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1347	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1348	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	A2
R 1350	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1351	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1352	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f7
R 1353	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1354	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1355	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C4
R 1356	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C4
R 1357	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	I7
R 1358	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f7
R 1359	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	f7
R 1360	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1361	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1362	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f7
R 1363	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1364	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1365	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1366	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1367	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	B	g7
R 1368	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	I7
R 1369	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1370	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1371	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	f7
R 1372	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C4
R 1373	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	I7
R 1374	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A5
R 1375	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C5
R 1376	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B2
R 1377	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	f6
R 1378	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f7
R 1379	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	I7
R 1380	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1381	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1382	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B4
R 1383	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1384	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1389	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1390	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B4
R 1391	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1392	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1393	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B4
R 1394	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1395	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1396	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B4
R 1397	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1398	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1399	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B2
R 1400	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B5
R 1401	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	A	A3
R 1402	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	b7
R 1403	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F4
R 1404	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b3
R 1405	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	c3
R 1406	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	h5
R 1407	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1
R 1408	CHIP RES.	560	1/10W	5%	RMC1/10T 561J	J24205561		1-	B	i1
R 1409	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1
R 1410	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1
R 1411	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1

RF Unit

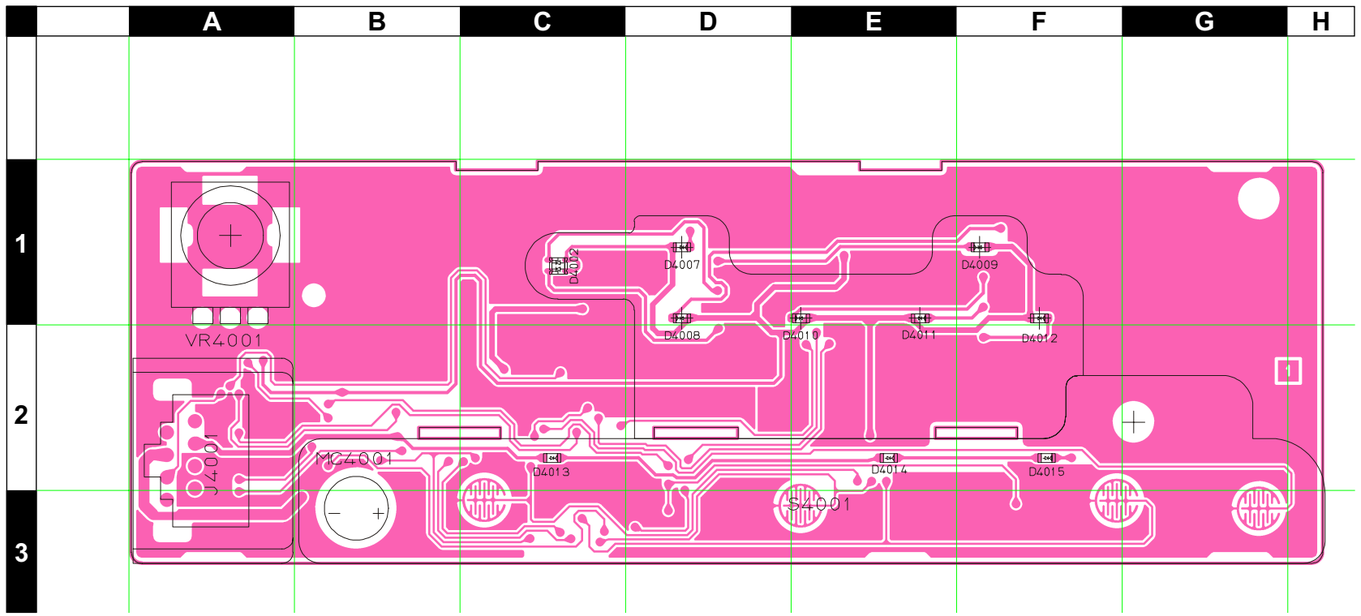
Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1412	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1
R 1413	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1
R 1414	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1
R 1415	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1
R 1416	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	B	i1
R 1417	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	A	B2
R 1418	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	A	B2
R 1419	CHIP RES.	0	1/10W	5%	RMC1/10T 000J	J24205000		1-	A	B2
R 1420	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D6
R 1421	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	B	e3
R 1422	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	e3
R 1423	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	e3
R 1424	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	I3
R 1425	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	E7
R 1427	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	H4
R 1428	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	H4
R 1429	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	A	H4
R 1430	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	H4
R 1431	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	H4
R 1432	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	H4
R 1433	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1434	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b5
R 1435	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C5
R 1436	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C5
R 1437	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C5
R 1438	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E6
R 1439	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-		
R 1440	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-		
R 1441	CHIP RES.	22k	1/10W	5%	RMC1/10T 223J	J24205223		1-		
T 1001	COIL 07RF				P600ENAS-10733AQ	L0022837		1-	B	a4
T 1002	COIL 07RF				P600ENAS-10734IB	L0022838		1-	B	b4
T 1003	COIL 07RF				P600ENAS-10735AQ	L0022839		1-	B	b4
T 1004	BALUN TRANSFOMERS				B5F458DB-1414=P3	L0190256		1-	B	c5
T 1005	BALUN TRANSFOMERS				B5F458DB-1414=P3	L0190256		1-	B	d6
T 1006	BALUN TRANSFOMERS				B5F458PT-1417=P3	L0190258		1-	B	c6
T 1007	BALUN TRANSFOMERS				B5F458DB-1542=P3	L0190266		1-	B	b5
TH1001	THERMISTOR				ERTJ0EV473J	G9090120		1-	B	d2
X 1001	XTAL U3B	4.194304MHz			4.194304MHZ	H0103284		1-	B	h5
X 1002	XTAL U3B	7.3728MHz			7.3728MHZ	H0103280		1-	A	B7
X 1003	XTAL OSC	16.8MHz			TTS05VS-P2 16.8MHZ	H9500760		1-	A	H7
XF1001	XTAL FILTER				MFT50.85P 50.85MHZ	H1102361		1-	B	a5
	SHIELD CASE VCO					RA0488600		1-		
	SHIELD PLATE				PA	R0124501		1-		

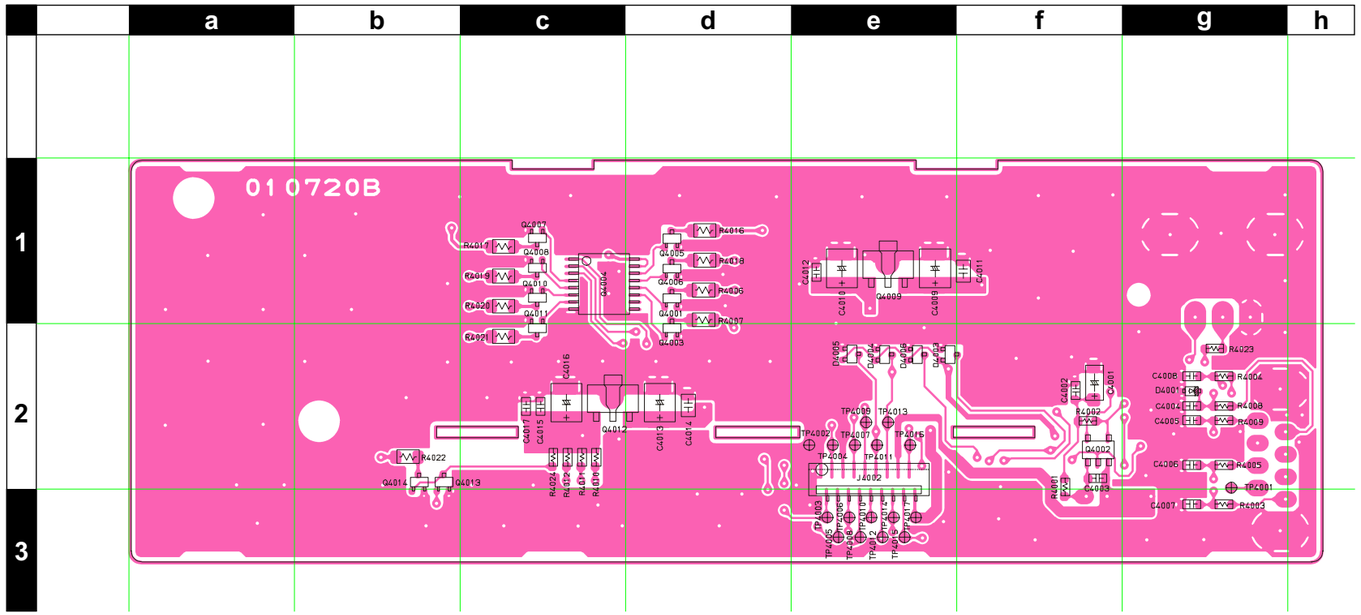

PANEL-UNIT
FR010720B
S4001
MON
A
UP
POW
D4002 BRPG1211C
RX: 0 V
TX: 5.0 V
RX: 5.0 V
TX: 0 V
R4006 680
R4007 220 1/10W
R4010 47K
R4011 47K
R4012 47K
Q4001 DTC144EE
Q4003 DTC144EE
MON
A
D4007 TLGU100BA
D4009 TLGU100BA
R4015 180
R4018 180
Q4005 DTC144EE
Q4006 DTC144EE
CH1
CH2
CH3
CH4
D4008 TLGU100BA
D4010 TLGU100BA
D4011 TLGU100BA
D4012 TLGU100BA
R4017 180
R4019 180
R4020 180
R4021 180
Q4004 BU4094BCFV
Q4007 DTC144EE
Q4008 DTC144EE
Q4010 DTC144EE
Q4011 DTC144EE
D4013 TLOU100BA
D4014 TLOU100BA
D4015 TLOU100BA
R4022 100
R4024 10K
C4001 4.7 6.3V
C4002 0.001 B
MC4001 EM-140
C4003 0.001 B
R4001 10K
R4002 2.2K
Q4013 DTC144EE
Q4014 DTC144EE
Q4002 TC4S66F
VDD
VSS
NORMAL: 0 V
EMERGENCY MIC: 5.0 V
TP4008
C4004 100p CH
C4005 100p CH
TP4009
TP4011
TP4010
TP4006
C4006 100p CH
C4007 100p CH
C4008 100p CH
R4003 1K
TP4001
R4004 1K
R4005 1K
D4001 1SS400
R4006 1K
R4007 1K
D4003 DA221
D4004 DA221
D4005 DA221
D4006 DA221
RX: 5.0 V
TX: 0 V
TP4012
TP4013
TP4014
TP4015
TP4016
TP4017
HOOK OFF: 5.0 V
HOOK ON: 0 V
13.6 V
J4002 P1091175
TP4007
TP4005
TP4004
TP4003
TP4002
1. HOOK
2. N.C
3. PTT
4. MIC
5. GND
6. +8V
7. CL_SW
8. CL_DATA
J4001 P1090714
SWHB
PWR
MIC
AGND
HOOK
PTT
CL_SW
C_DATA
KEY1
KEY2
KEY3
SCK
VR
PSEL
SDO
PSSTB
EM_MIC
GND
Q4009 M5278L09M
Q4012 M5278L05M
IN
OUT
8.6 V
5.0 V
C4009 4.7 25V
C4011 0.1 25V B
C4010 10 16V
C4012 1 16V B
C4013 4.7 25V
C4014 0.1 25V B
C4015 1 16V B
C4016 10 16V
C4017 0.01 25V B
R4023 2.2K
VR4001 20KA
NOTE:
RESISTOR VALUES ARE IN Ω, 1/16W :
CAPACITOR VALUES ARE IN μF, 50V :
(T)CAPACITOR VALUES ARE TANTALUM :
INDUCTOR VALUES ARE IN H :
COILES VALUES ARE IN H :
UNLESS OTHERWISE NOTED.

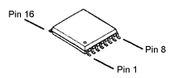
FRONT-C Unit (VX-4100)

Parts Layout (Side A)



Parts Layout (Side B)

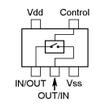




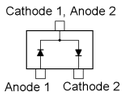
BU4094BCFV
(Q4004)

DTC144EE (26)
(Q4001, 4003, 4005, 4006, 4007, 4008, 4010, 4011, 4013, 4014)

M5278L05M
(Q4012)
M5278L09M
(Q4009)



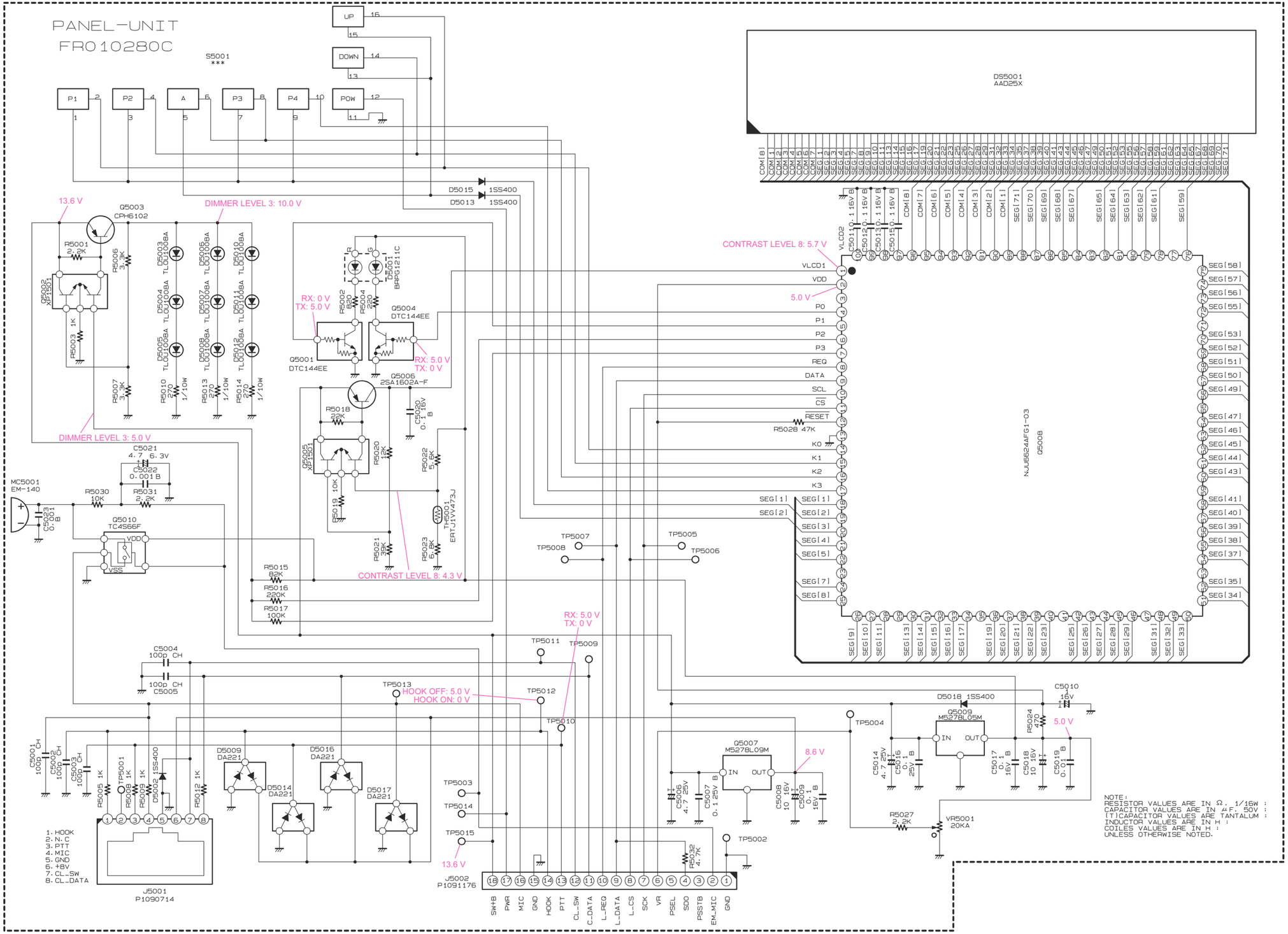
TC4S66F (C9)
(Q4002)



DA221 (K)
(D4003, 4004, 4005, 4006)

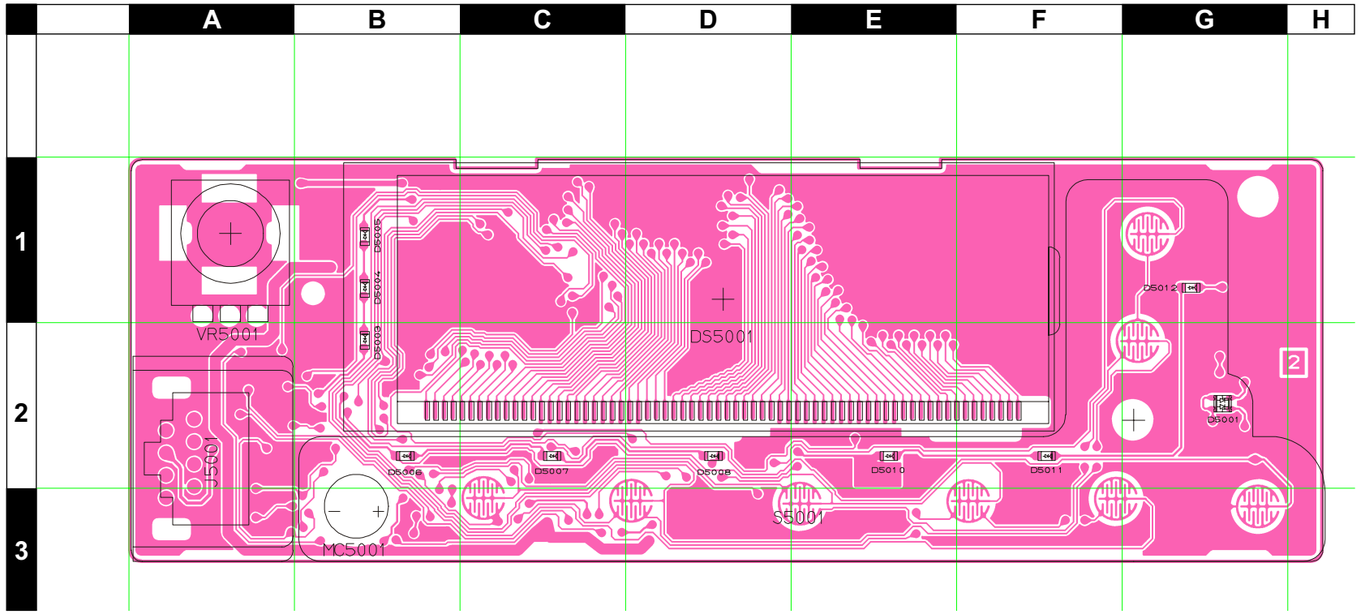
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CB2527001				
	Printed Circuit Board				AAD24X000	FR0107200		1-		
C 4001	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	f2
C 4002	CHIP CAP.	0.001uF	50V	B	GRM39B102K50PT	K22174821		1-	B	f2
C 4003	CHIP CAP.	0.001uF	50V	B	GRM39B102K50PT	K22174821		1-	B	f2
C 4004	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g2
C 4005	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g2
C 4006	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g2
C 4007	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g3
C 4008	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g2
C 4009	CHIP TA.CAP.	4.7uF	25V		TEMSVB21E475M-8R	K78140019		1-	B	e1
C 4010	CHIP TA.CAP.	10uF	16V		TEMSVB21C106M-8R	K78120025		1-	B	e1
C 4011	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	B	f1
C 4012	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	e1
C 4013	CHIP TA.CAP.	4.7uF	25V		TEMSVB21E475M-8R	K78140019		1-	B	d2
C 4014	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	B	d2
C 4015	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	c2
C 4016	CHIP TA.CAP.	10uF	16V		TEMSVB21C106M-8R	K78120025		1-	B	c2
C 4017	CHIP CAP.	0.01uF	25V	B	GRM39B103M25PT	K22144802		1-	B	c2
D 4001	DIODE				1SS400 TE61	G2070634		1-	B	g2
D 4002	LED				BRPG1211C-TR	G2070654		1-	A	C1
D 4003	DIODE				DA221 TL	G2070178		1-	B	e2
D 4004	DIODE				DA221 TL	G2070178		1-	B	e2
D 4005	DIODE				DA221 TL	G2070178		1-	B	e2
D 4006	DIODE				DA221 TL	G2070178		1-	B	e2
D 4007	LED				TLGU1008A(TAPE)	G2070956		1-	A	D1
D 4008	LED				TLGU1008A(TAPE)	G2070956		1-	A	D1
D 4009	LED				TLGU1008A(TAPE)	G2070956		1-	A	F1
D 4010	LED				TLGU1008A(TAPE)	G2070956		1-	A	E1
D 4011	LED				TLGU1008A(TAPE)	G2070956		1-	A	E1
D 4012	LED				TLGU1008A(TAPE)	G2070956		1-	A	F1
D 4013	LED				TLOU1008A(TAPE)	G2070958		1-	A	C2
D 4014	LED				TLOU1008A(TAPE)	G2070958		1-	A	E2
D 4015	LED				TLOU1008A(TAPE)	G2070958		1-	A	F2
J 4001	CONNECTOR				R41-2509H	P1090714		1-	A	A2
J 4002	CONNECTOR				18FLT-SM1-TB	P1091176		1-	B	e2
MC4001	MIC. ELEMENT				EM-140	M3290032		1-	A	B3
Q 4001	TRANSISTOR				DTC144EE TL	G3070075		1-	B	d1
Q 4002	IC				TC4S66F TE85R	G1090893		1-	B	f2
Q 4003	TRANSISTOR				DTC144EE TL	G3070075		1-	B	d2
Q 4004	IC				BU4094BCFV-E2	G1093527		1-	B	c1
Q 4005	TRANSISTOR				DTC144EE TL	G3070075		1-	B	d1
Q 4006	TRANSISTOR				DTC144EE TL	G3070075		1-	B	d1
Q 4007	TRANSISTOR				DTC144EE TL	G3070075		1-	B	c1
Q 4008	TRANSISTOR				DTC144EE TL	G3070075		1-	B	c1
Q 4009	IC				M5278L09M 600C	G1093102		1-	B	e1
Q 4010	TRANSISTOR				DTC144EE TL	G3070075		1-	B	c1
Q 4011	TRANSISTOR				DTC144EE TL	G3070075		1-	B	c2
Q 4012	IC				M5278L05M 600C	G1093101		1-	B	c2
Q 4013	TRANSISTOR				DTC144EE TL	G3070075		1-	B	b2
Q 4014	TRANSISTOR				DTC144EE TL	G3070075		1-	B	b2
R 4001	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	f2
R 4002	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	f2
R 4003	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g3
R 4004	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g2
R 4005	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g2
R 4006	CHIP RES.	820	1/10W	5%	RMC1/10T 821J	J24205821		1-	B	d1
R 4007	CHIP RES.	220	1/10W	5%	RMC1/10T 221J	J24205221		1-	B	d1
R 4008	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g2
R 4009	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g2
R 4010	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	c2
R 4011	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	c2
R 4012	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	c2
R 4016	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1	B	d1
R 4017	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1	B	c1
R 4018	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1	B	d1
R 4019	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1	B	c1
R 4020	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1	B	c1
R 4021	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1	B	c2
R 4022	CHIP RES.	180	1/10W	5%	RMC1/10T 181J	J24205181		1-	B	b2
R 4023	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	g2
R 4024	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	c2
VR4001	POT.				RK09L1140 20KA	J60800265		1-	A	A1

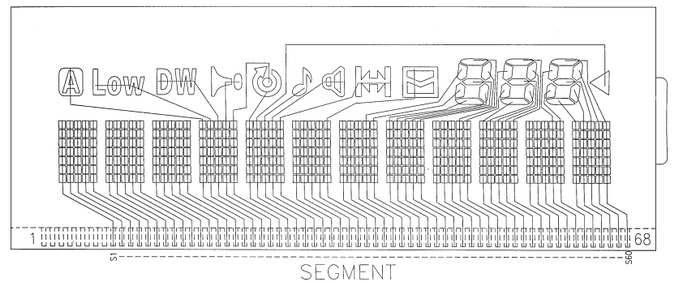
Note


PANEL-UNIT
FR010280C
S5001
UP
DOWN
P1
P2
A
P3
P4
POW
D5015 1SS400
D5013 1SS400
13.6 V
Q5003
CPH6102
DIMMER LEVEL 3: 10.0 V
DIMMER LEVEL 3: 5.0 V
CONTRAST LEVEL 8: 4.3 V
RX: 0 V
TX: 5.0 V
Q5004
DTC144EE
Q5001
DTC144EE
RX: 5.0 V
TX: 0 V
Q5005
2SA1602A-F
CONTRAST LEVEL 8: 5.7 V
5.0 V
DS5001
AAD25X
NJU6624AFG1-03
Q5008
VLCD1
VDD
P0
P1
P2
P3
REQ
DATA
SCL
CS
RESET
K0
K1
K2
K3
MC5001
EM-140
Q5010
TC4S66F
TP5007
TP5008
TP5005
TP5006
TP5011
TP5009
TP5013
HOOK OFF: 5.0 V
HOOK ON: 0 V
TP5012
TP5010
TP5004
D5018 1SS400
Q5009
M527BL05M
5.0 V
Q5007
M527BL09M
8.6 V
TP5003
TP5014
TP5015
13.6 V
TP5002
J5001
P1090714
J5002
P1091176
1. HOOK
2. N.C
3. PTT
4. MIC
5. GND
6. +8V
7. CL_SW
8. CL_DATA
SW+B
PWR
MIC
GND
HOOK
PTT
CL_SW
C_DATA
L_REG
L_DATA
L_CS
SCK
VR
PSEL
SDO
PSSTB
EM_MIC
GND
NOTE:
RESISTOR VALUES ARE IN Ω. 1/16W :
CAPACITOR VALUES ARE IN μF. 50V :
(T)CAPACITOR VALUES ARE TANTALUM :
INDUCTOR VALUES ARE IN H :
COILS VALUES ARE IN H :
UNLESS OTHERWISE NOTED.

FRONT-D Unit (VX-4200)

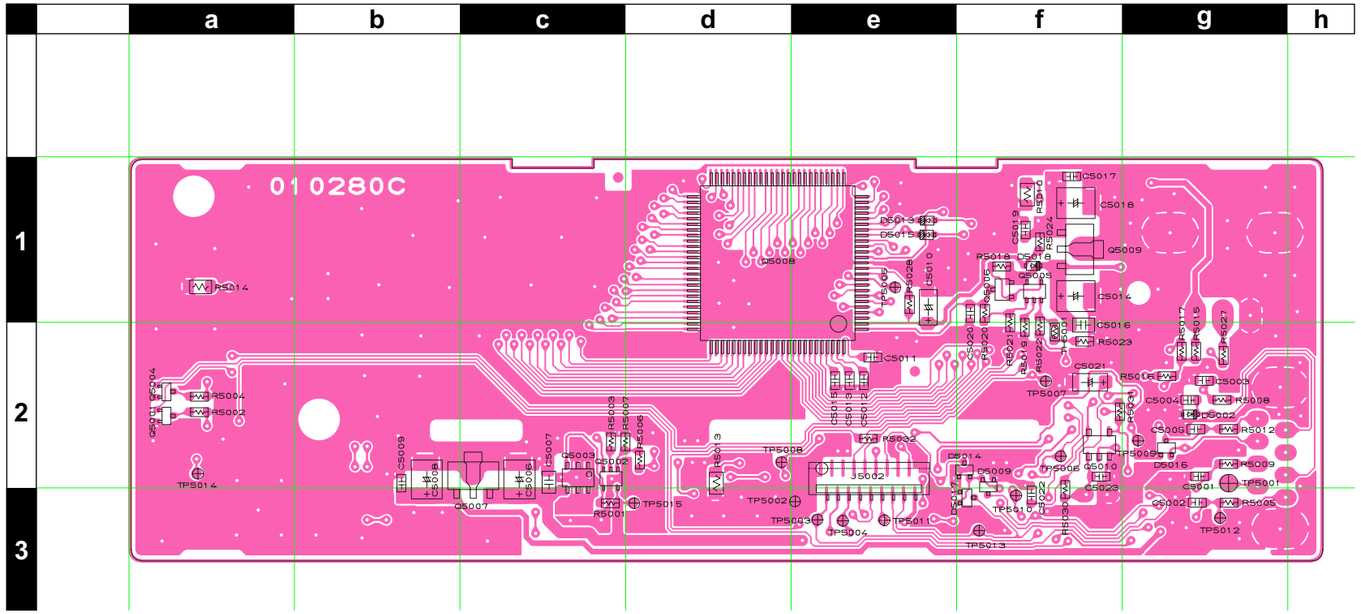
Parts Layout (Side A)

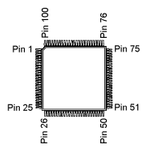




LCD
(DS5001)

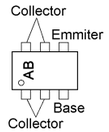
Parts Layout (Side B)





NJU6624AFG1
(Q5008)

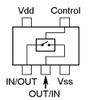
2SA1602A (MF)
(Q5010)



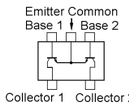
CPH6102 (AB)
(Q5003)

DTC144EE (26)
(Q5001, 5004)

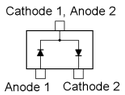
M5278L05M
(Q5009)
M5278L09M
(Q5007)



TC4S66F (C9)
(Q5010)



XP1501 (R5)
(Q5002, 5005)



DA221 (K)
(D5009, 5014, 5016, 5017)

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CB2528001				
	Printed Circuit Board				AAD25X000	FR0102800		1-		
C 5001	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g2
C 5002	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g3
C 5003	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g2
C 5004	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g2
C 5005	CHIP CAP.	100pF	50V	CH	GRM39CH101J50PT	K22174235		1-	B	g2
C 5006	CHIP TA.CAP.	4.7uF	25V		TEMSVB21E475M-8R	K78140019		1-	B	c2
C 5007	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	B	c2
C 5008	CHIP TA.CAP.	10uF	16V		TEMSVB21C106M-8R	K78120025		1-	B	b2
C 5009	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	b2
C 5010	CHIP TA.CAP.	1uF	16V		TESVA1C105M1-8R	K78120009		1-	B	e1
C 5011	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	e2
C 5012	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	e2
C 5013	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	e2
C 5014	CHIP TA.CAP.	4.7uF	25V		TEMSVB21E475M-8R	K78140019		1-	B	f1
C 5015	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	e2
C 5016	CHIP CAP.	0.1uF	25V	B	GRM40B104M25PT	K22140811		1-	B	f2
C 5017	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	f1
C 5018	CHIP TA.CAP.	10uF	16V		TEMSVB21C106M-8R	K78120025		1-	B	f1
C 5019	CHIP CAP.	0.01uF	50V	B	GRM39B103M50PT	K22174823		1-	B	f1
C 5020	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805		1-	B	f1
C 5021	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-	B	f2
C 5022	CHIP CAP.	0.001uF	50V	B	GRM39B102K50PT	K22174821		1-	B	f3
C 5023	CHIP CAP.	0.001uF	50V	B	GRM39B102K50PT	K22174821		1-	B	f2
D 5001	LED				BRPG1211C-TR	G2070654		1-	A	G2
D 5002	DIODE				1SS400 TE61	G2070634		1-	B	g2
D 5003	LED				TLOU1008A(TAPE)	G2070958		1-	A	B2
D 5004	LED				TLOU1008A(TAPE)	G2070958		1-	A	B1
D 5005	LED				TLOU1008A(TAPE)	G2070958		1-	A	B1
D 5006	LED				TLOU1008A(TAPE)	G2070958		1-	A	B2
D 5007	LED				TLOU1008A(TAPE)	G2070958		1-	A	C2
D 5008	LED				TLOU1008A(TAPE)	G2070958		1-	A	D2
D 5009	DIODE				DA221 TL	G2070178		1-	B	f2
D 5010	LED				TLOU1008A(TAPE)	G2070958		1-	A	E2
D 5011	LED				TLOU1008A(TAPE)	G2070958		1-	A	F2
D 5012	LED				TLOU1008A(TAPE)	G2070958		1-	A	G1
D 5013	DIODE				1SS400 TE61	G2070634		1-	B	e1
D 5014	DIODE				DA221 TL	G2070178		1-	B	f2
D 5015	DIODE				1SS400 TE61	G2070634		1-	B	e1
D 5016	DIODE				DA221 TL	G2070178		1-	B	g2
D 5017	DIODE				DA221 TL	G2070178		1-	B	f3
D 5018	DIODE				1SS400 TE61	G2070634		1-	B	f1
DS5001	LCD				064250	G6090153		1-	A	D1
J 5001	CONNECTOR				R41-2509H	P1090714		1-	A	A2
J 5002	CONNECTOR				18FLT-SM1-TB	P1091176		1-	B	e2
MC5001	MIC. ELEMENT				EM-140	M3290032		1-	A	B3
Q 5001	TRANSISTOR				DTC144EE TL	G3070075		1-	B	a2
Q 5002	TRANSISTOR				XP1501-(TX)	G3070143		1-	B	c2
Q 5003	TRANSISTOR				CPH6102-TL	G3070223		1-	B	c2
Q 5004	TRANSISTOR				DTC144EE TL	G3070075		1-	B	a2
Q 5005	TRANSISTOR				XP1501-(TX)	G3070143		1-	B	f1
Q 5006	TRANSISTOR				2SA1602A-T11-1F	G3116028F		1-	B	f1
Q 5007	IC				M5278L09M 600C	G1093102		1-	B	c2
Q 5008	IC				NJU6624AFG1-03	G1093881		1-	B	d1
Q 5009	IC				M5278L05M 600C	G1093101		1-	B	f1
Q 5010	IC				TC4S66F TE85R	G1090893		1-	B	f2
R 5001	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	c3
R 5002	CHIP RES.	820	1/16W	5%	RMC1/16 821JATP	J24185821		1-	B	a2
R 5003	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	c2
R 5004	CHIP RES.	220	1/16W	5%	RMC1/16 221JATP	J24185221		1-	B	a2
R 5005	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g3
R 5006	CHIP RES.	3.3k	1/16W	5%	RMC1/16 332JATP	J24185332		1-	B	d2
R 5007	CHIP RES.	3.3k	1/16W	5%	RMC1/16 332JATP	J24185332		1-	B	c2
R 5008	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g2
R 5009	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g2
R 5010	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1-	B	f1
R 5012	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	g2
R 5013	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1-	B	d2
R 5014	CHIP RES.	270	1/10W	5%	RMC1/10T 271J	J24205271		1-	B	a1
R 5015	CHIP RES.	82k	1/16W	5%	RMC1/16 823JATP	J24185823		1-	B	g2
R 5016	CHIP RES.	220k	1/16W	5%	RMC1/16 224JATP	J24185224		1-	B	g2
R 5017	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104		1-	B	g2

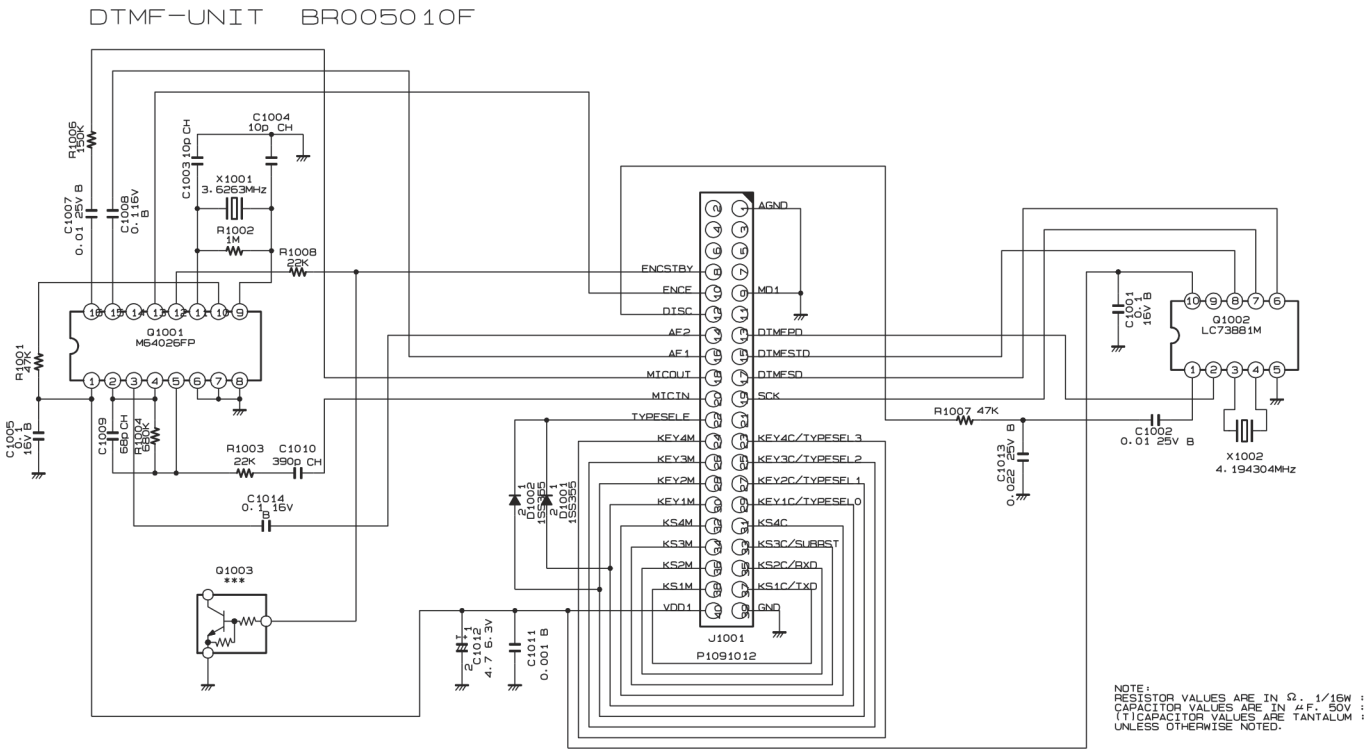
FRONT-D Unit (VX-4200)

Parts List

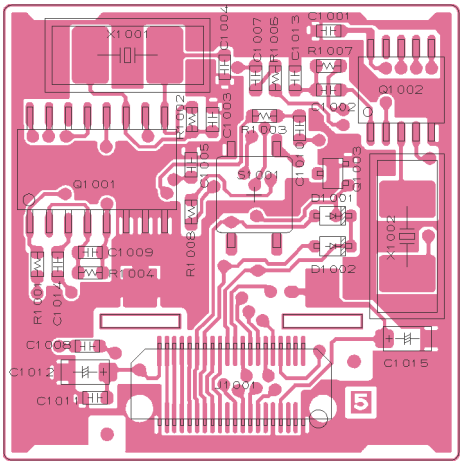
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 5018	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	f1
R 5019	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	f2
R 5020	CHIP RES.	12k	1/16W	5%	RMC1/16 123JATP	J24185123		1-	B	f1
R 5021	CHIP RES.	39k	1/16W	5%	RMC1/16 393JATP	J24185393		1-	B	f1
R 5022	CHIP RES.	5.6k	1/16W	5%	RMC1/16 562JATP	J24185562		1-	B	f2
R 5023	CHIP RES.	6.8k	1/16W	5%	RMC1/16 682JATP	J24185682		1-	B	f2
R 5024	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	f1
R 5027	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	g2
R 5028	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	e1
R 5030	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	f2
R 5031	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	f2
R 5032	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	e2
TH5001	THERMISTOR				ERTJ1VV473J	G9090122		1-	B	f2
VR5001	POT.				RK09L1140 20KA	J60800265		1-	A	A1
	LCD HOLDER					RA0487400		1-		
	LIGHT GUIDE				(LCD)	RA0487500		1-		
	REFLECTOR SHEET					RA0487600		1-		
	DIFFUSER SHEET					RA0487700		1-		
	INTER CONNECTOR					RA048780A		1-		
	SPONGE RUBBER				(WND)	RA0487900		1-		
	LIGHT GUIDE				(¼À)	RA0514300		1-		

FVP-25 Encryption/DTMF Pager Unit (Option)

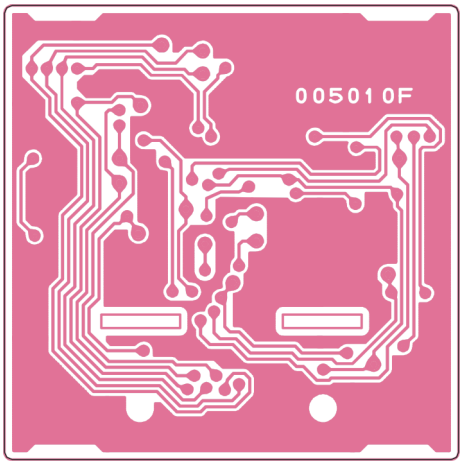
Circuit Diagram



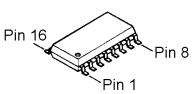
Parts Layout



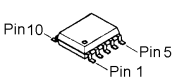
Side A



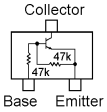
Side B



M64026FP
(Q1001)



LC73881
(Q1002)

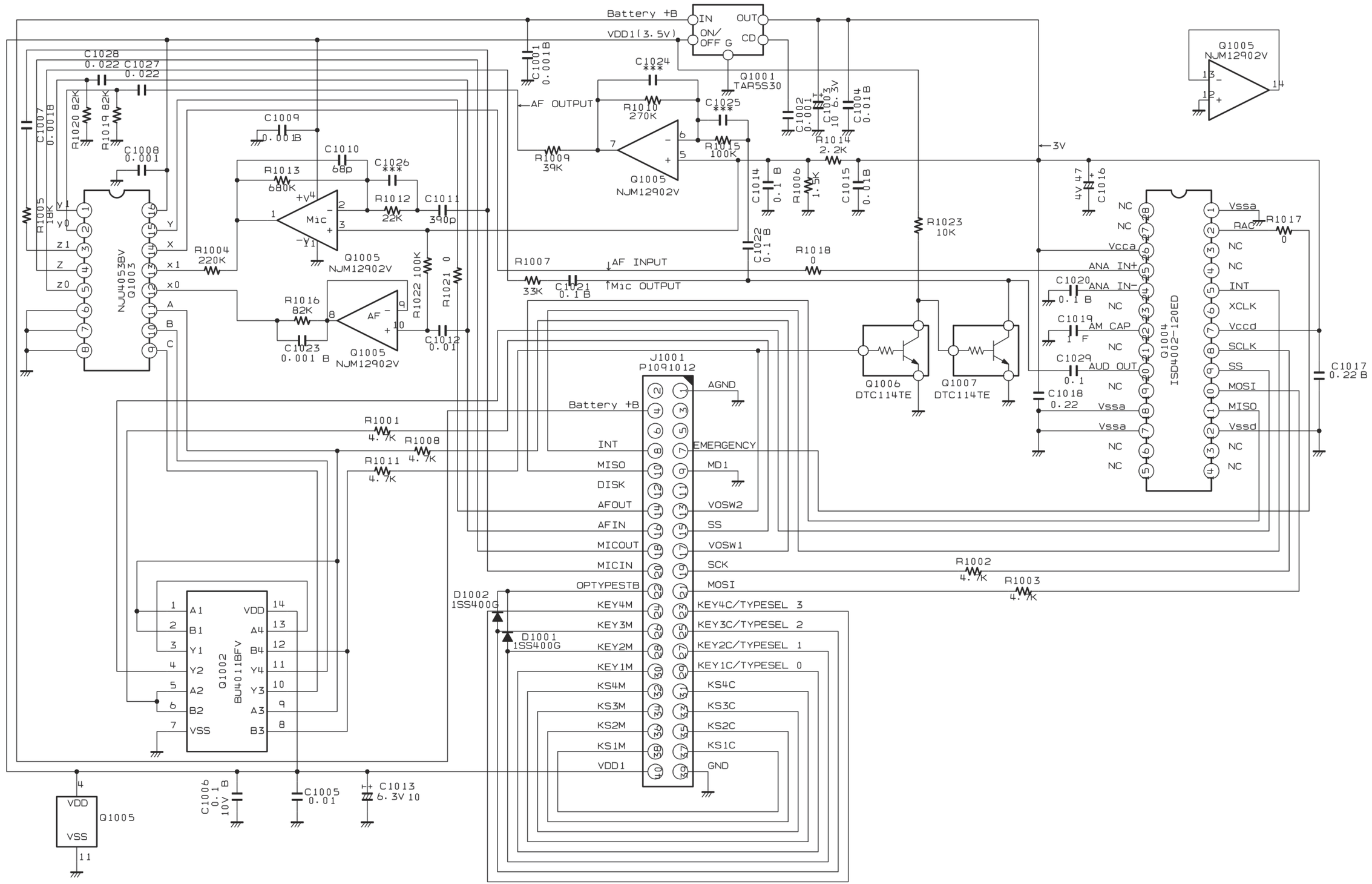


DTC144EU (26)
(Q1003)

FVP-25 Encryption/DTMF Pager Unit (Option)

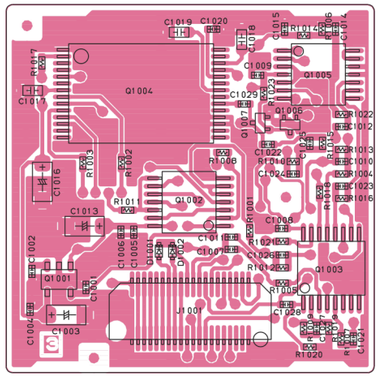
Parts List

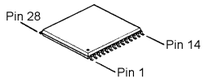
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	Printed Circuit Board				AAA27X000	FR005100F				
C 1001	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805				
C 1002	CHIP CAP.	0.01uF	25V	B	GRM39B103M25PT	K22144802				
C 1003	CHIP CAP.	10pF	50V	CH	GRM39CH100D50PT	K22174211				
C 1004	CHIP CAP.	10pF	50V	CH	GRM39CH100D50PT	K22174211				
C 1005	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805				
C 1007	CHIP CAP.	0.01uF	25V	B	GRM39B103M25PT	K22144802				
C 1008	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805				
C 1009	CHIP CAP.	68pF	50V	CH	GRM39CH680J50PT	K22174231				
C 1010	CHIP CAP.	390pF	50V	CH	GRM39CH391J50PT	K22174255				
C 1011	CHIP CAP.	0.001uF	50V	B	GRM39B102K50PT	K22174821				
C 1012	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017				
C 1013	CHIP CAP.	0.022uF	25V	B	GRM39B223K25PT	K22144807				
C 1014	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805				
D 1001	DIODE				1SS355 TE-17	G2070470				
D 1002	DIODE				1SS355 TE-17	G2070470				
J 1001	CONNECTOR				AXK5S40035P	P1091012				
Q 1001	IC				M64026FP-650C	G1092754				
Q 1002	IC				LC73881M-TLM	G1092755				
R 1001	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473				
R 1002	CHIP RES.	1M	1/16W	5%	RMC1/16 105JATP	J24185105				
R 1003	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223				
R 1004	CHIP RES.	680k	1/16W	5%	RMC1/16 684JATP	J24185684				
R 1006	CHIP RES.	150k	1/16W	5%	RMC1/16 154JATP	J24185154				
R 1007	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473				
R 1008	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223				
X 1001	XTAL SX-1315	3.6263MHz			3.6263MHZ	H0103183				
X 1002	XTAL SX-1315	4.194304MHz			4.194304MHZ	H0103184				


Battery +B
VDD1(3.5V)
IN
OUT
ON/OFF
G
CD
Q1001 TAR5S30
C1001 0.001B
C1024 ***
R1010 270K
C1025 ***
R1009 39K
AF OUTPUT
Q1005 NJM12902V
C1002 0.001
C1003 10 6.3V
C1004 0.01B
R1014 2.2K
R1015 100K
3V
C1014 0.1 B
R1006 1.5K
C1015 0.01B
C1022 0.1 B
R1023 10K
R1018 0
4V47 C1016
R1007 33K
C1021 0.1 B
AF INPUT
Mic OUTPUT
C1028 0.022
C1027 0.022
R1020 82K
R1019 82K
C1007 0.001B
R1005 18K
C1008 0.001
C1009 0.001B
C1010 68p
C1026 ***
R1013 680K
R1012 22K
C1011 390p
R1004 220K
Mic
Q1005 NJM12902V
NJU4053BV Q1003
R1022 100K
R1021 0
R1016 82K
C1023 0.001 B
C1012 0.01
AF
Q1005 NJM12902V
Q1005 NJM12902V
Q1006 DTC114TE
Q1007 DTC114TE
C1020 0.1 B
C1019 1 F
C1029 0.1
C1018 0.22
AM CAP
AUD OUT
Vssa
Vssa
Q1004 ISD4002-120ED
NC
Vcca
ANA IN+
ANA IN-
Vccd
INT
XCLK
SCLK
SS
MOSI
MISO
Vssd
RAC
R1017 0
C1017 0.22 B
J1001 P1091012
AGND
Battery +B
INT
MISO
DISK
AFOUT
AFIN
MICOUT
MICIN
OPTYPESTB
KEY4M
KEY3M
KEY2M
KEY1M
KS4M
KS3M
KS2M
KS1M
VDD1
EMERGENCY
MD1
VOSW2
SS
VOSW1
SCK
MOSI
KEY4C/TYPESEL 3
KEY3C/TYPESEL 2
KEY2C/TYPESEL 1
KEY1C/TYPESEL 0
KS4C
KS3C
KS2C
KS1C
GND
R1001 4.7K
R1008 4.7K
R1011 4.7K
R1002 4.7K
R1003 4.7K
D1002 1SS400G
D1001 1SS400G
Q1002 BU4011BFV
A1
B1
Y1
Y2
A2
B2
VSS
VDD
A4
B4
Y4
Y3
A3
B3
Q1005
VDD
VSS
C1006 0.1 10V B
C1005 0.01
C1013 6.3V 10

DVS-5 Voice Storage Unit (Option)

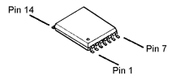
Parts Layout (Side A)





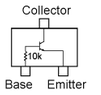
ISD4002
(Q1004)

NJU4053BV
(Q1003)

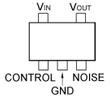


BU4011BFV
(Q1002)

NJM12902V
(Q1005)



DTC114TE (24)
(Q1006, 1007)



TAR5S30
(Q1001)

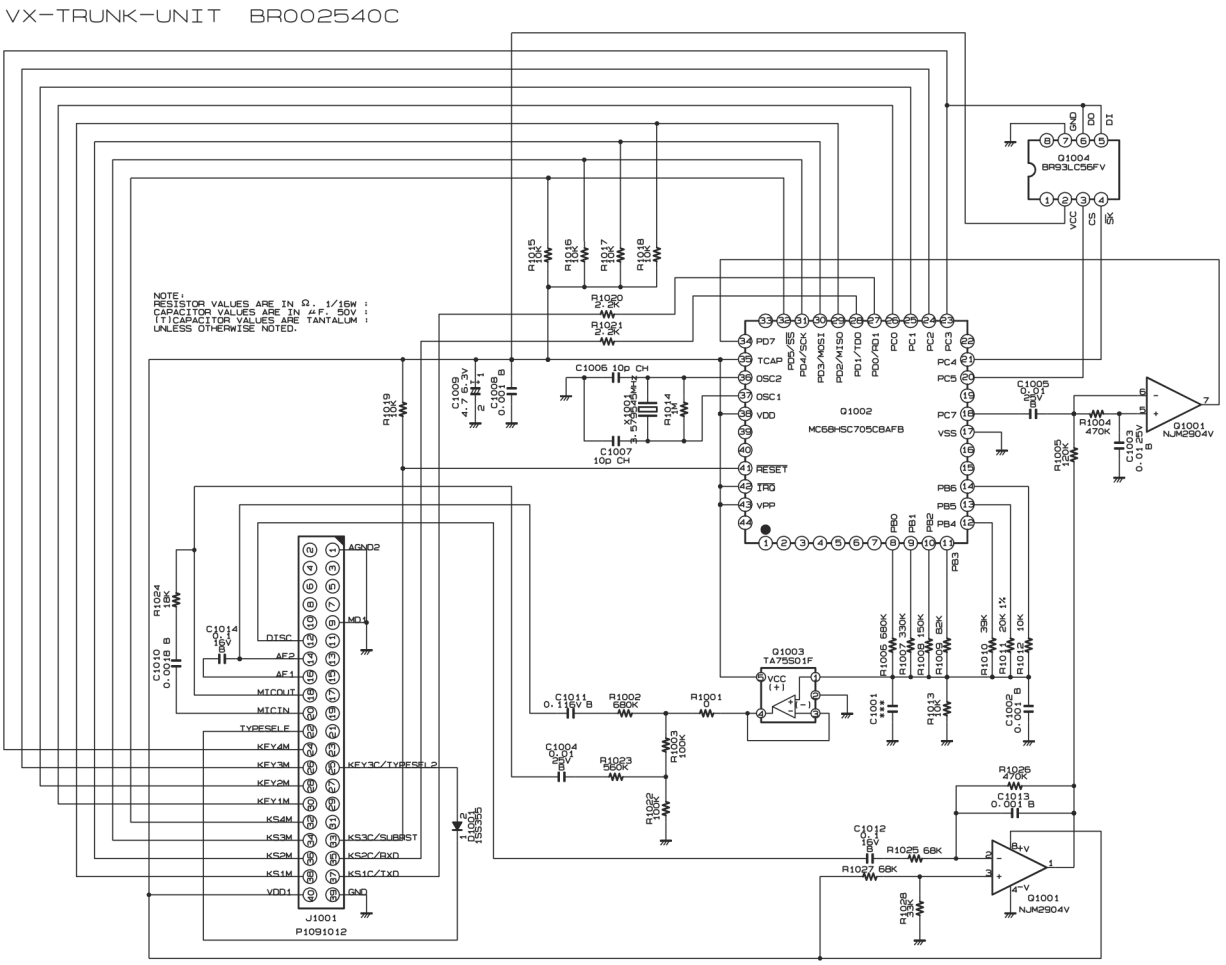
Parts Layout (Side B)

Parts List

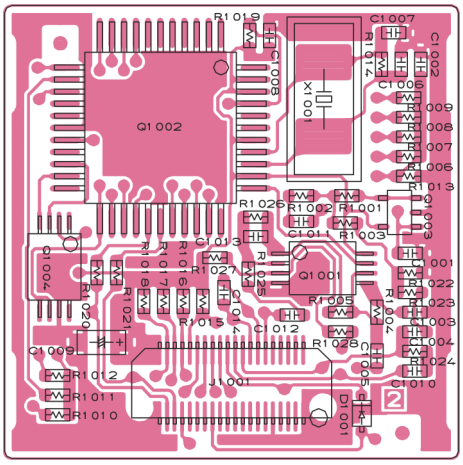
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	Printed Circuit Board				AAD51X000	FR0106900		1-		
C 1001	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-		
C 1002	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-		
C 1003	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-		
C 1004	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-		
C 1005	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-		
C 1006	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-		
C 1007	CHIP CAP.	0.0018uF	50V	B	GRM36B182K50PT	K22178812		1-		
C 1008	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-		
C 1009	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-		
C 1010	CHIP CAP.	68pF	50V	CH	GRM36CH680J50PT	K22178232		1-		
C 1011	CHIP CAP.	390pF	50V	B	GRM36B391K50PT	K22178804		1-		
C 1012	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-		
C 1013	CHIP TA.CAP.	10uF	6.3V		TEMSVA0J106M-8R	K78080027		1-		
C 1014	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-		
C 1015	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-		
C 1016	CHIP TA.CAP.	47uF	4V		SK7-0G476M-RA	K78060048		1-		
C 1017	CHIP CAP.	0.22uF	10V	B	GRM39B224K10PT	K22104801		1-		
C 1018	CHIP CAP.	0.22uF	10V	B	GRM39B224K10PT	K22104801		1-		
C 1019	CHIP CAP.	1uF	10V	F	GRM39F105Z10PT	K22105001		1-		
C 1020	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-		
C 1021	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-		
C 1022	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-		
C 1023	CHIP CAP.	0.001uF	50V	B	GRM36B102K50PT	K22178809		1-		
C 1027	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-		
C 1028	CHIP CAP.	0.022uF	16V	B	GRM36B223K16PT	K22128806		1-		
C 1029	CHIP CAP.	0.1uF	10V	B	GRM36B104K10PT	K22108802		1-		
D 1001	DIODE				1SS400G T2R	G2070934		1-		
D 1002	DIODE				1SS400G T2R	G2070934		1-		
J 1001	CONNECTOR				AXK5S40035P	P1091012		1-		
Q 1001	IC				TAR5S30(TE85L)	G1093570		1-		
Q 1002	IC				BU4011BFV-E2	G1093551		1-		
Q 1003	IC				NJU4053BV-TE1	G1092927		1-		
Q 1004	IC				ISD4002-120ED	G1093898		1-		
Q 1005	IC				NJM12902V(TE1)	G1093592		1-		
Q 1006	TRANSISTOR				DTC114TE TL	G3070225		1-		
Q 1007	TRANSISTOR				DTC114TE TL	G3070225		1-		
R 1001	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 1002	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 1003	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 1004	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-		
R 1005	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-		
R 1006	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-		
R 1007	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-		
R 1008	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 1009	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-		
R 1010	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		1-		
R 1011	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 1012	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-		
R 1013	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-		
R 1014	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-		
R 1015	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-		
R 1016	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-		
R 1017	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 1018	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 1019	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-		
R 1020	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-		
R 1021	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 1022	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-		
R 1023	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		

VTP-50 VX-Trunk Unit (Option)

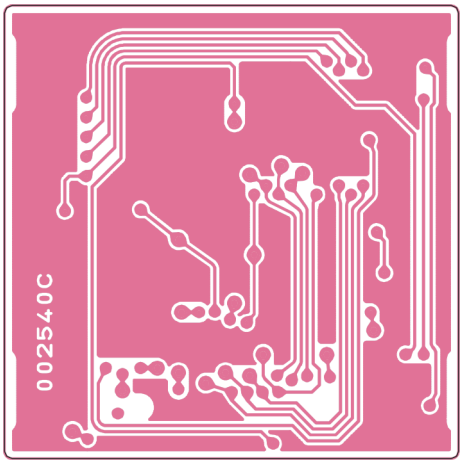
Circuit Diagram



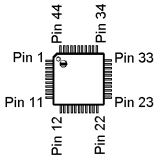
Parts Layout



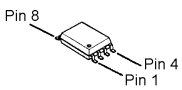
Side A



Side B

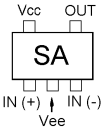


MC68HSC705C8A502
(Q1002)



BR93LC56FV
(Q1004)

NJM2904V
(Q1001)



TA75S01F (SA)
(Q1003)

VTP-50 VX-Trunk Unit (Option)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	Printed Circuit Board				A12780000	FR002680C				
C 1002	CHIP CAP.	0.001uF	50V	B	GRM39B102K50PT	K22174821				
C 1003	CHIP CAP.	0.01uF	25V	B	GRM39B103K25PT	K22144803				
C 1004	CHIP CAP.	0.01uF	25V	B	GRM39B103K25PT	K22144803				
C 1005	CHIP CAP.	0.01uF	25V	B	GRM39B103K25PT	K22144803				
C 1006	CHIP CAP.	10pF	50V	CH	GRM39CH100C50PT	K22174248				
C 1007	CHIP CAP.	10pF	50V	CH	GRM39CH100C50PT	K22174248				
C 1008	CHIP CAP.	0.001uF	50V	B	GRM39B102K50PT	K22174821				
C 1009	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017				
C 1010	CHIP CAP.	0.0018uF	50V	B	GRM39B182M50PT	K22174812				
C 1011	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805				
C 1012	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805				
C 1013	CHIP CAP.	0.001uF	50V	B	GRM39B102K50PT	K22174821				
C 1014	CHIP CAP.	0.1uF	16V	B	GRM39B104K16PT	K22124805				
D 1001	DIODE				1SS355 TE-17	G2070470				
J 1001	CONNECTOR				AXK5S40035P	P1091012				
Q 1001	IC				NJM2904V-TE1	G1091677				
Q 1002	IC				MC68HSC705C8A502-6030 131	G1093326				
Q 1003	IC				TA75S01F TE85R	G1091593				
Q 1004	IC				BR93L56FV-WE2	G1093883				
R 1001	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000				
R 1002	CHIP RES.	680k	1/16W	5%	RMC1/16 684JATP	J24185684				
R 1003	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104				
R 1004	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474				
R 1005	CHIP RES.	120k	1/16W	5%	RMC1/16 124JATP	J24185124				
R 1006	CHIP RES.	680k	1/16W	5%	RMC1/16 684JATP	J24185684				
R 1007	CHIP RES.	330k	1/16W	5%	RMC1/16 334JATP	J24185334				
R 1008	CHIP RES.	150k	1/16W	5%	RMC1/16 154JATP	J24185154				
R 1009	CHIP RES.	82k	1/16W	5%	RMC1/16 823JATP	J24185823				
R 1010	CHIP RES.	39k	1/16W	5%	RMC1/16 393JATP	J24185393				
R 1011	CHIP RES.	20k	1/16W	1%	RMC1/16 203FTP	J24183203				
R 1012	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103				
R 1013	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103				
R 1014	CHIP RES.	1M	1/16W	5%	RMC1/16 105JATP	J24185105				
R 1015	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103				
R 1016	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103				
R 1017	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103				
R 1018	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103				
R 1019	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103				
R 1020	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222				
R 1021	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222				
R 1022	CHIP RES.	100k	1/16W	5%	RMC1/16 104JATP	J24185104				
R 1023	CHIP RES.	560k	1/16W	5%	RMC1/16 564JATP	J24185564				
R 1024	CHIP RES.	18k	1/16W	5%	RMC1/16 183JATP	J24185183				
R 1025	CHIP RES.	68k	1/16W	5%	RMC1/16 683JATP	J24185683				
R 1026	CHIP RES.	470k	1/16W	5%	RMC1/16 474JATP	J24185474				
R 1027	CHIP RES.	68k	1/16W	5%	RMC1/16 683JATP	J24185683				
R 1028	CHIP RES.	33k	1/16W	5%	RMC1/16 333JATP	J24185333				
X 1001	XTAL SX-1315	3.579545MHz			3.579545MHZ	H0103185				

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